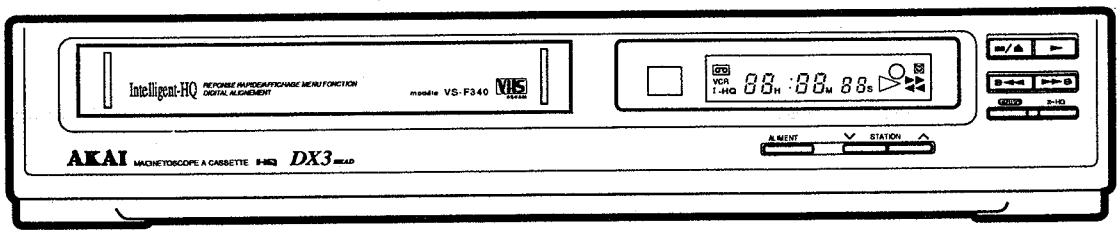
AKAI SERVICE MANUAL



MODEL VS-F340S

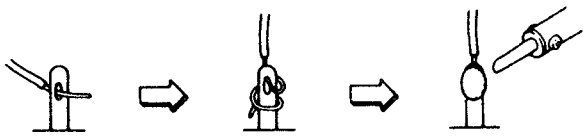
VIDEO CASSETTE RECORDER

MODEL VS-F260SK
MODEL VS-F265SEG
MODEL VS-F266SEG
MODEL VS-F275SEG
MODEL VS-F340S
MODEL VS-F345SEG
MODEL VS-F375SEG

★ SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts identified by the ⚠ (*) symbol are critical for safety. Replace them only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.
   Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape
   2) PVC tubing
   3) Spacers (Insulating Barriers)
   4) Insulation sheets for transistors
   5) Plastic screws for fixing microswitch
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap the ends of the wires securely about the terminals before soldering.

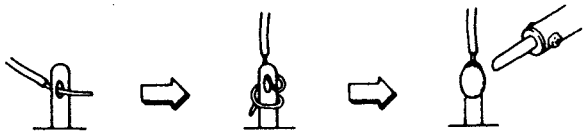


6. Make sure that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Make that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

★ CONSIGNES DE SECURITE

PRECAUTIONS A PRENDRE PENDANT L'ENTRETIEN

1. Les pièces marquées du symbole ⚠ (*) sont vitales à la sécurité. Ne les remplacer que par des pièces ayant les numéros spécifiés.
2. En plus des raisons de sécurité, certaines pièces et ensembles sont repérés pour des raisons de conformité à la règlemenation, comme celle s'appliquant aux émissions sur bande interdite.
   Ces pièces et ensembles ne doivent également être remplacés que par ceux spécifiés.
   Exemples: Convertisseurs RF, unités tuners, sélecteurs d'antenne, câbles RF, condensadeurs d'arrêt de bruit, filtres d'arrêt de bruit, etc.
3. Utiliser les câbles internes spécifiés, plus particulièrement:
   1) Câbles recouverts d'un tube en PVC
   2) Câbles à double isolement
   3) Conducteurs de haute tension
4. Utiliser les matériaux isolants spécifiés pour les pièces sous tension pouvant représenter une source de danger, plus particulièrement:
   1) Ruban isolant
   2) Tubes en PVC
   3) Entretoises (barrières isolantes)
   4) Plaques isolantes pour les transistors
   5) Vis en plastique pour la fixation des micro-contacts
5. Lors du remplacement d'organes côté primaire CA (transformateurs, cordons d'alimentation, condensateurs d'arrêt de bruit, etc.), enrouler solidement l'extrêmité des câbles autour des bornes avant de souder.



6. Faire attention que les câbles n'entrent pas en contact avec des pièces génératrices de chaleur (dissipateurs thermiques, résistances à film métal oxyde, résistances de fusible, etc.).
7. Vérifier que les câbles remplacés ne sont pas en contact avec des arêtes vives ou des parties efilées.
8. Vérifier également les zones autour des pièces réparées.
9. Faire attention de ne pas laisser de matières étrangères (vis, gouttes de soudure, etc.) à l'intérieur de l'appareil.

SAFETY CHECK AFTER SERVICING

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit. The leakage-current measurement should be done between accessible metal parts (such as chassis, ground terminal, microphone jacks, signal input/output connectors, etc.) and the earth ground through a resister of 1500 ohms paralleled with a 0.15 µF capacitor, under the unit's normal working conditions. The leakage-current should be less than 0.5 mA rms AC. The resistance measurement should be done between accessible exposed metalparts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 M ohms.

MAKE YOUR CONTRIBUTION TO PROTECT THE ENVIRONMENT

Used batteries with the ISO symbol for recycling as well as small accumulators (rechargeable batteries), mini-batteries (cells) and starter batteries should not be thrown into the garbage can.
Please leave them at an appropriate depot. All other household batteries can be thrown out with the household waste.

CONTROLE DE SECURITE A EFFECTUER APRES REPARATION

Après avoir effectué une réparation, mesurer le courant de fuite ou la résistance afin de déterminer que les pièces exposées sont suffisamment isolées du circuit d'alimentation. La mesure du courant de fuite doit être effectuée, dans les conditions normales de fonctionnement de l'appareil, entre des pièces de métal accessibles (comme par exemple châssis, bornes de terre, prises de microphones, connecteurs d'entrée/sortie de signaux, etc.) et la terre en utilisant une résistance de 1500 ohms mise en parrallèle avec un condensateur de 0,15 µF. Le courant de fuite doit être inférieur à 0,5 mA eff. CA. La mesure de la résistance doit être effectuée entre des pièces de métal accessibles exposées et les fiches de la prise du cordon d'alimentation, l'interrupteur d'alimentation (si l'appareil en est pourvu) étant activé. La résistance ne doit pas être supérieure à 2,2 M ohms.

PARTICIPEZ A LA PROTECTION DE L'ENVIRONNEMENT

Les piles usées portant le sigle ISO de recyclage, les petits accumulateurs (piles rechargeables), les mini-piles (pastilles) et les piles démarreurs ne doivent pas être jettées avec les ordures ménagères.
Veuillez les porter à un entrepôt approprié. Toutes les autres piles courantes peuvent être jetées avec les ordures ménagères.

TO PROTECT THE POWER SUPPLY CIRCUIT

Do not turn on the power while the flat cable in the power BLK is disconnected as this will damage the power circuit.
Make sure that the flat cable is connected before turning on the power.

POUR PROTEGER LE CIRCUIT D'ALIMENTATION

Ne pas mettre l'appareil sous tension pendant que le câble plat dans le bloc d'alimentation (BLK) est déconnecté, car ceci endommage le circuit d'alimentation.
S'assurer que le câble plat est connecté avant de mettre l'appareil sous tension.

★ SPECIFICATIONS

Format		
	S, SK	VHS standard (SECAM)
	SEG	VHS standard (PAL, SECAM, MESECAM)
Video recording system		Rotary, slant azimuth two-head helical scan system
Rotary heads		
	F260SK/F265SEG/266SEG/F275SEG	2 video heads
	F340S/F345SEG/F375SEG	3 video heads
RF input		
	S	System L VHF: ch B - C, 1 - 6, UHF: ch 21 - 69 CABLE: ch B - Q
	SK	System D, K VHF: ch 1 - 3, 4 - 9 UHF: ch 21 - 69
	SEG	System L VHF: ch B - C, 1 - 6 UHF: ch 21 - 69 CABLE: ch B - Q System B, G VHF: ch 2 - 12, UHF: ch 21 - 69 CABLE: ch M3 - M10, U1 - U10 System I UHF: ch 21 - 69
RF output		
	S, SEG	System L type modulation UHF: ch 30 - 39 adjustable (preset ch 36)
	SK	System K type modulation VHF: ch 4,5 switchable (preset ch 5)
Recording (line input)		
	S, SK	SECAM
	SEG	SECAM/PAL (MESECAM)
Playback (line output)		
	S, SK	SECAM
	SEG	SECAM/PAL (MESECAM)
Video		
Line input level		0.5 - 2.0 Vp-p/75 ohms, unbalanced
Line output level		1.0 Vp-p/75 ohms, unbalanced
S/N ratio		More than 45 dB
Horizontal resolution		More than 220 lines
Audio		
Line input level		-6 dBs/50k ohms, unbalanced
Line output level		-6 dBs/1k ohms, unbalanced
S/N ratio		More than 40 dB
Frequency response		70 - 10,000 Hz
Recording/playback time		240 min. with E-240 cassette
Tape speed		23.39 mm/sec
Quick finder		Approx. 9 times normal speed
FF, REW time		Approx. 5 min. with E-180 cassette
Timer		
Program		8 program/1 year
Clock reference		Quartz crystal
Display		TV screen & FL (Tape counter, Timer etc.)
Power requirements		220 - 230V AC, 50 Hz
Power consumption		
	F340S	36 W
	F260SK	37 W
	SEG	38 W
Operating temperature		5°C - 40°C
Dimensions		
	F275SEG	426 (W) × 82 (H) × 313 (D) mm
	EXCEPT F275SEG	426 (W) × 82 (H) × 314 (D) mm
Weight		5.0 kg
Standard accessories		
Connection cord		1
Remote control unit		1
Batteries for remote control		2
Operator's manual		1

0 dBs=0.775V

* For improvement purposes, specifications and design are subject to change without notice.

★ CARACTERISTIQUES

Format		
	S, SK	Standard VHS (SECAM)
	SEG	Standard VHS (PAL, SECAM, MESECAM)
Système d'enregistrement vidéo		Système de balayage hélicoïdal à deux têtes rotatives, inclinaison en azimuth
Têtes rotatives		
	F260SK/F265SEG/F266SEG/F275SEG	2 têtes vidéo
	F340S/F345SEG/F375SEG	3 têtes vidéo
Entrée RF		
	S	Système L VHF: Canaux B - C, 1 - 6, UHF: Canaux 21 - 69 Câble: Canaux B - Q
	SK	Système D, K VHF: Canaux 1 - 3, 4 - 9 UHF: Canaux 21 - 69
	SEG	Système L VHF: Canaux B - C, 1 - 6 UHF: Canaux 21 - 69 Câble: Canaux B - Q Système B, G VHF: Canaux 2 - 12, UHF: Canaux 21 - 69 Câble: Canaux M3 - M10, U1 - U10 Système I UHF: Canaux 21 - 69
Sortie RF		
	S, SEG	Système L type à modulation UHF: Canaux 30 - 39 réglables (canal 36 préréglé)
	SK	Système K type à modulation VHF: Canaux 4,5 commutables (canal 5 préréglé)
Enregistrement (Entrée de ligne)		
	S, SK	SECAM
	SEG	SECAM/PAL (MESECAM)
Lecture (Sortie de ligne)		
	S, SK	SECAM
	SEG	SECAM/PAL (MESECAM)
Vidéo		
Niveau d'entrée de ligne		0,5 - 2,0 Vc-c/75 ohms, asymétrique
Niveau sortie de ligne		1,0 Vc-c/75 ohms, asymétrique
Rapport Signal/Bruit		Plus de 45 dB
Résolution horizontale		Plus de 220 lignes
Audio		
Niveau d'entrée de ligne		-6 dBs/50 kohms, asymétrique
Niveau sortie de ligne		-6 dBs/1 kohms, asymétrique
Rapport S/B		Plus de 40 dB
Réponse en fréquence		70 - 10,000 Hz
Durée d'enregistrement/lecture		240 min. avec cassette E-240
Vitesse de défilement		23,39 mm/sec.
Recherche rapide		A environ 9 fois la vitesse normale
Durée de rembobinage/avance rapide		Env. 5 min. avec cassette E-180
Minuterie		
Programme		8 programmes/1 an
Référence horloge		A cristal de quartz
Affichage		Ecran de téléviseur et affichage (Compteur de bande, minuterie, etc.)
Alimentation		220 - 230V CA, 50 Hz
Consommation		
	F340S	36 W
	F260SK	37 W
	SEG	38 W
Température de fonctionnement		5°C - 40°C
Dimensions		
	F275SEG	426 (L) × 82 (H) × 313 (D) mm
	EXCEPT F275SEG	426 (L) × 82 (H) × 314 (D) mm
Poids		5,0 kg
Accessoires standard		
Cordon de connection		1
Unité de télécommande		1
Piles pour télécommande		2
Mode d'emploi		1

0 dBs=0.775V

* Les spécifications et le design peuvent être modifiés sans aucun avis pour y introduire des améliorations.

SYMBOLS OF MODEL NAME FOR PRIMARY DESTINATION

Symbol indicates the destination of the units as listed below.

Symbol	Power Supply Classification	Principal Destination	Television System	
			Color	Broadcast
EA	S	Australia	PAL	B, G
ED	E	China	PAL	D
EDG	E	East Europe	PAL	D, K
EDI	E	China, Hong Kong	PAL	D, K, I
EG	E	Spain, Northern Europe, Other	PAL	B, G
	Y7	Saudi Arabia		
EK	B	U.K.	PAL	I
	Y1	Hong Kong		
EM	E	Middle East	PAL	B, G
	Y7	Saudi Arabia		
EO	E	Holland, Switzerland, Northern Europe	PAL	B, G
	V	Italy		
EOH	E	Holland, Belgium	PAL	B, G
	V	Italy		
EOG	V	Germany	PAL	B, G
ES	E	South Africa, Ireland, Hong Kong	PAL	I
EV	E	South-East Asia	PAL	B, G
	U	Middle East, South-East Asia		
	Y1	New Zealand		
	Y7	Saudi Arabia		
EZ	S	New Zealand	PAL	B, G
EGN	E	Middle East	PAL, NTSC	B, G
	Y7	Saudi Arabia		
S	E	France	SECAM	L
SK	E	Latin America, Oceania, SECAM-OIRT	SECAM	K, KI
SEG	E	France, Switzerland	SECAM, PAL	L, B, G
U	A	U.S.A	NTSC	M
	C	Canada		
UM	U	Latin America	NTSC	M
J	J	Japan	NTSC	M

★ INFORMATIONS

Codes de destination des noms de modele

Les codes indiquent le pays de destination de l'appareil de la manière suivante:

Code	Classe Alimentation	Destination principale	Système TV	
			Couleur	Diffusion
EA	S	Australie	PAL	B, G
ED	E	Chine	PAL	D
EDG	E	Europe de l'Est	PAL	D, K
EDI	E	Chine, Hong Kong	PAL	D, K, I
EG	E	Espagne, Europe du Nord, autres	PAL	B, G
	Y7	Arabie Saoudite		
EK	B	Royaume Uni	PAL	I
	Y1	Hong Kong		
EM	E	Moyen orient	PAL	B, G
	Y7	Arabie Saoudite		
EO	E	Hollande, Suisse, Europe du nord	PAL	B, G
	V	Italie		
EOH	E	Hollande, Belgique	PAL	B, G
	V	Italie		
EOG	V	Allemagne	PAL	B, G
ES	E	Afrique du Sud, Irlande, Hong Kong	PAL	I
EV	E	Asie du Sud Est	PAL	B, G
	U	Moyen Orient, Asie du Sud Est		
	Y1	Nouvelle Zélande		
	Y7	Arabie Saoudite		
EZ	S	Nouvelle Zélande	PAL	B, G
EGN	E	Moyen Orient	PAL, NTSC	B, G
	Y7	Arabie Saoudite		
S	E	France	SECAM	L
SK	E	Amérique latine, Océanie, SECAM-OIRT	SECAM	K, KI
SEG	E	France, Suisse	SECAM, PAL	L, B, G
U	A	U.S.A	NTSC	M
	C	Canada		
UM	U	Amérique latine	NTSC	M
J	J	Japon	NTSC	M

SAFETY LOCK SYSTEM

The play button on the VCR and remote control can be locked to prevent access by young children (this feature does not effect other functions of the VCR).
This feature can only be operated by the remote control.

To lock : Press and hold the remote control's stop button for approx. 8 seconds. As long as the play button is locked, safety lock indicator "L" will light on the FL display and " ⊸ " will flash on the TV screen any time the play button is pressed.

To unlock: Press and hold the remote control's play button for approx. 8 seconds. If a tape is loaded, the safety lock indicator will disappear from the FL display and TV screen, and playback will begin automatically.

MANUAL TRACKING/PICTURE/STABILITY ADJUSTMENT

The VCR can be adjusted for tracking and picture sharpness anytime it is in the playback mode with the remote control unit.

- **Manual tracking control**
  Press the " < " or " > " cursor botton repeatedly until the picture is clear. During manual tracking adjustment, the tracking position is shown on the TV screen, this will disappear automatically after adjustment has been completed. Use this function when performing the A/C HEAD phase adjustment.

- **Picture sharpness control**
  Press the " ∧ " button repeatedly to sharpen the picture or press the " ∨ " button to soften the picture.

- **Stability adjustment**

1) To correct picture shake during the slow motion or still mode:
   Press " ∧ " or " ∨ " cursor button until the picture shake is corrected.
2) To correct tracking during the still mode:
   Press the " < " or " > " cursor button repeatedly until the picture is clear.

SYSTEME DE VERROUILLAGE DE SECURITE

Les touches de lecture du magnétoscope et de la télécommande peuvent être verrouillées afin d'éviter l'accès par les enfants en bas âge (cette caractéristique n'affecte pas les autres fonctions du magnétoscope).
Cette caractéristique ne peut être utilisée qu'au moyen de la télécommande.

Pour verrouiller : Appuyer sur la touche d'arrêt de la télécommande et la maintenir enfoncée pendant environ 8 secondes. Aussi longtemps que la touche de lecture est verrouillée, l'indicateur de verrouillage de sécurité "L" s'allume sur l'affichage fluorescent (FL) et " ⊸ " clignote sur l'écran de télévision, chaque fois que la touche de lecture est enfoncée.

Pour déverrouiller: Appuyer sur la touche de lecture de la télécommande pendant environ 8 secondes et la maintenir enfoncée. Si une bande a été mise en place, l'indicateur de verrouillage de sécurité disparaît de l'affichage fluorescent (FL) et de l'écran de télévision, et la lecture commence automatiquement.

REGLAGE DE L'ALIGNEMENT MANUEL/D'IMAGE/DE STABILITE

L'alignement et la netteté de l'image du magnétoscope peuvent être ajustés chaque fois qu'il est en mode de lecture à l'aide de la télécommande.

- **Commande d'alignement manuel**
  Appuyer à plusieurs reprises sur la touche de curseur " < " ou " > " jusqu'à ce que l'image soit nette. Pendant le réglage de l'alignement manuel, la position d'alignement est indiquée sur l'écran de télévision, celui-ci disparaît automatiquement après la fin du réglage. Utiliser cette fonction lors du réglage de phase de la tête A/C (A/C HEAD).

- **Commande de netteté d'image**
  Appuyer à plusieurs reprises sur la touche " ∧ " pour avoir une image plus nette ou appuyer sur la touche " ∨ " pour adoucir l'image.

- **Réglage de stabilité**

1) Pour corriger la vibration d'image pendant le mode au ralenti ou le mode d'arrêt sur image:
   Appuyer sur la touche de curseur " ∧ " ou " ∨ " jusqu'à ce que la vibration d'image soit corrigée.
2) Pour corriger l'alignement pendant le mode d'arrêt sur image:
   Appuyer à plusieurs reprises sur la touche de curseur " < " ou " > " jusqu'à ce que l'image soit claire.

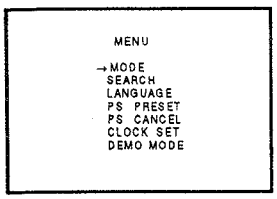
MULTI-FUNCTION MENU MODE

This is an on-screen display of the various modes you can programme via the TV screen.

MODE	: To select the AV MUTE and OSD modes.
SEARCH	: To select the BLANK SEARCH and INTRO SCAN modes.
LANGUAGE	: To select a language for the on-screen displays.
PS PRESET	: To preset TV stations.
PS CANCEL	: To cancel preset TV stations.
CLOCK SET	: To set the clock.
DEMO MODE	: To demonstrate some of the modes available on this VCR.

If necessary, refer to the respective sections in the operator's manual for detailed information.

1. Press the "MENU" button on the remote control unit.
   The menu list screen will be displayed on the TV screen.
   The arrow indicator is automatically set to the "MODE" position.



2. Select the desired mode by setting the arrow indicator to the appropriate position with cursor " ∨ " button.
   The arrow indicator moves downwards each time the button is pressed. Pressing the cursor " ∧ " button will move the arrow indicator upwards.

3. Press the "OK" button.
   The selected function screen will be displayed on the TV screen.

* Press the "MENU" button again to return to the normal screen.

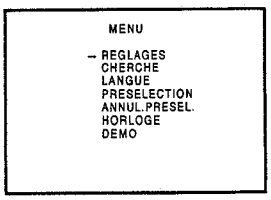
MODE DE MENU MULTI-FONCTIONS

C'est un affichage sur écran des divers modes programmables via l'écran de télévision.

MODE	: Pour sélectionner les modes de sourdine AV (AV MUTE) et d'affichage sur écran (OSD).
SEARCH (recherche)	: Pour sélectionner les modes de recherche de blancs (BLANK SEARCH) et de balayage des introductions (INTRO SCAN).
LANGUAGE (langage)	: Pour sélectionner un langage sur les affichages sur écran.
PS PRESET (préréglage de stations)	: Pour prérégler des stations de télévision.
PS CANCEL (annulation de stations préréglées)	: Pour annuler les stations de télévision préréglées.
CLOCK SET (réglage d'horloge)	: Pour régler l'horloge.
DEMO MODE (mode de démonstration)	: Pour faire une démonstration de quelques modes disponibles sur ce magnétoscope.

Si nécessaire, se reporter aux sections spécifiques dans le manuel de l'utilisateur pour des informations détaillées.

1. Appuyer sur la touche de "MENU" de la télécommande.
   L'écran de liste de menu est affiché sur l'écran de télévision.
   L'indicateur à flèche est automatiquement réglé en position de "MODE".



2. Sélectionner le mode désiré en réglant l'indicateur à flèche sur la position appropriée avec la touche de curseur " ∨ ".
   L'indicateur à flèche se déplace vers le bas chaque fois que cette touche est enfoncée. Lorsque la touche de curseur " ∧ " est enfoncée, l'indicateur à flèche est déplacé vers le haut.

3. Appuyer sur la touche "OK".
   L'écran de la fonction sélectionnée est affiché sur l'écran de télévision.

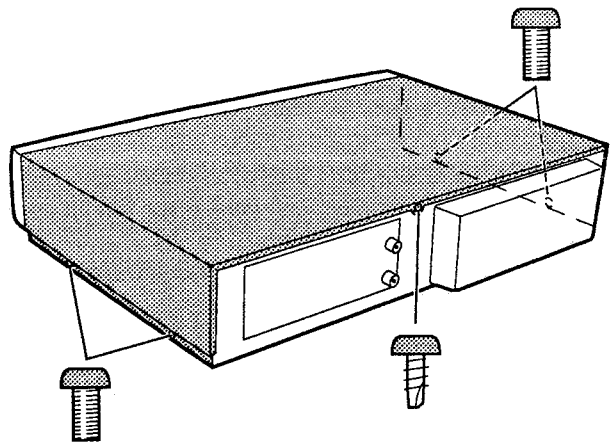
* Appuyer de nouveau sur la touche de "MENU" pour revenir à l'écran normal.

I. DISASSEMBLY/DEMONTAGE

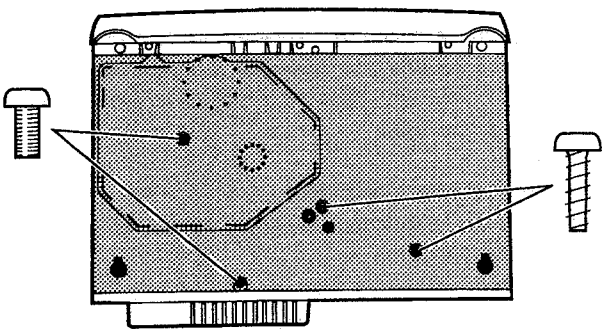
In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the illustrations. Reassemble in reverse order.
When re-attaching the FRONT PANEL, hold the cassette loading slot door in the upright (open) position.

En cas de problèmes ou autres nécessitant le démontage, procerder dans l'ordre indiqué sur l'illustration.
Remonter en procédant dans l'ordre inverse.
Lors de la repose du panneau avant, maintenir le volet de la fente d'introduction de la cassette en position haute (ouverte).

1. Removal of UPPER COVER
1. Dépose du panneau supérieur (UPPER COVER)

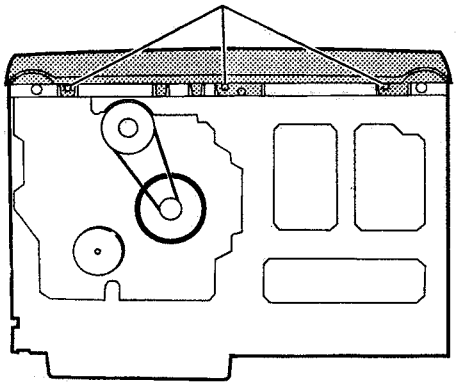


2. Removal of BOTTOM COVER
2. Dépose du panneau inférieur (BOTTOM COVER)

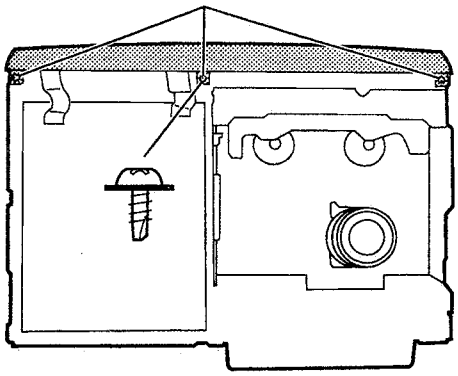


3. Removal of FRONT PANEL
3. Dépose du panneau avant (FRONT PANEL)

Release the HOOKs

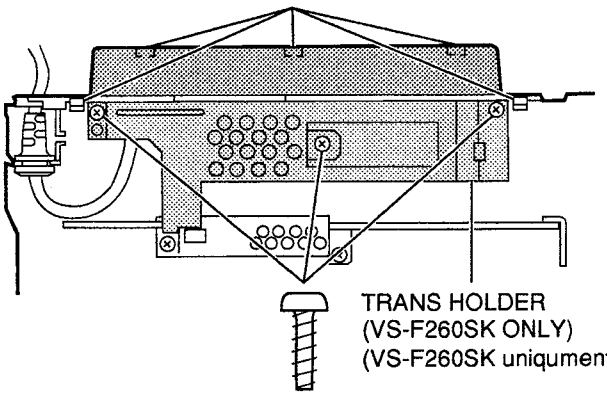


Release the HOOKs



4. Removal of TRANS COVER
4. Dépose du panneau de (TRANS COVER)

Release the HOOKs



TRANS HOLDER
(VS-F260SK ONLY)
(VS-F260SK uniqument)

II. PRINCIPAL PARTS LOCATION

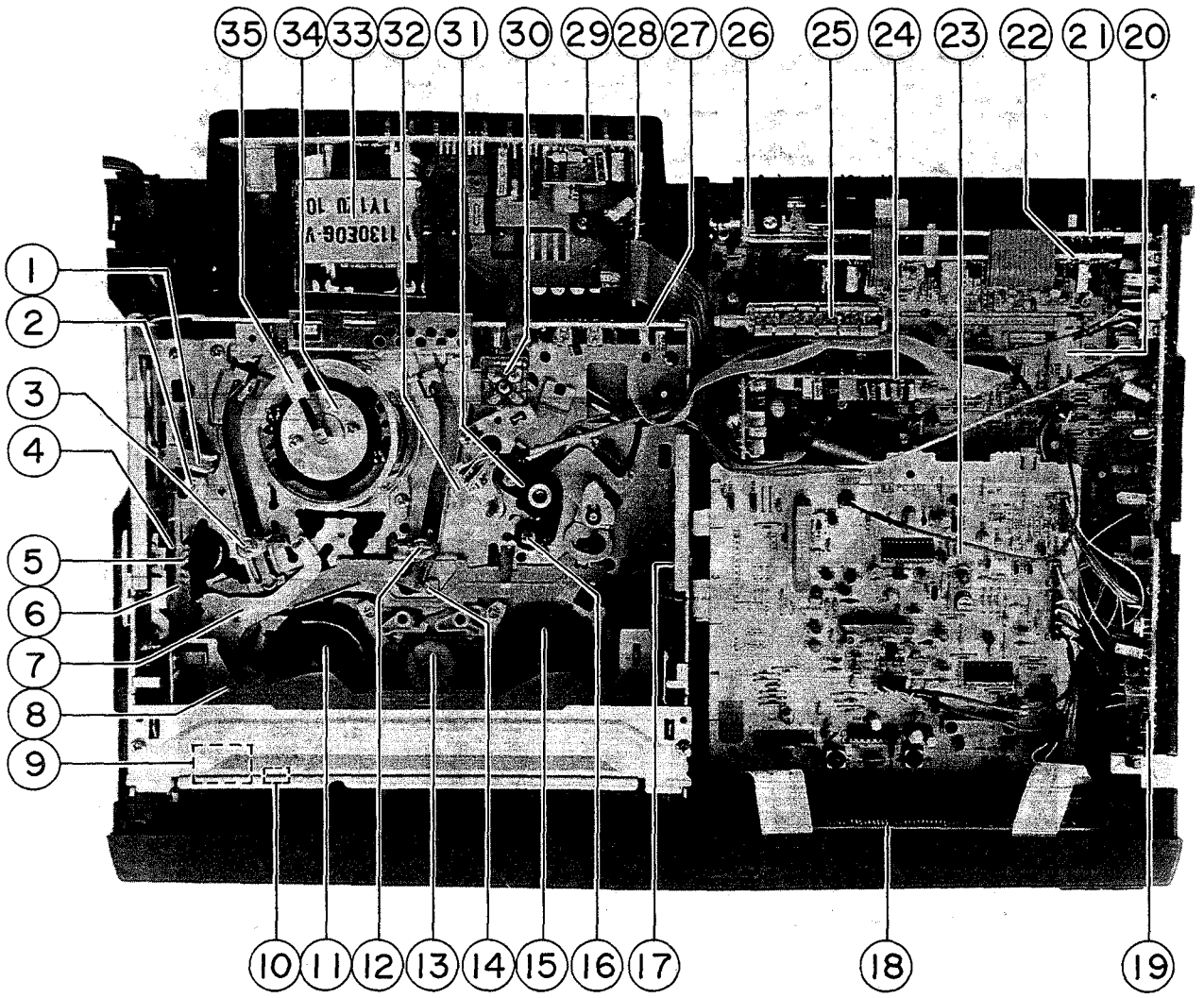


Fig. 2-1 Top view

1. FULL TRACK ERASE HEAD
2. SUPPLY TAPE GUIDE
3. SUPPLY LOADING LEADER
4. SENSOR (S) PCB (END SENSOR)
5. FRONT LOADING GEAR
6. FRONT LOADING SLIDER
7. TENSION ARM
8. CASSETTE LOAD BLK
9. LOADING MOTOR
10. REC SAFETY SWITCH
11. SUPPLY REEL TABLE
12. TAKE UP LOADING LEADER
13. IDLER PART
14. SENSOR LED
15. TAKE UP REEL TABLE
16. CAPSTAN MOTOR
17. SENSOR (T) (START SENSOR)
18. OPERATION (A) PCB
19. MAIN (B) PCB
20. MAIN (A) PCB
21. CANAL PLUS (B) PCB
22. CANAL PLUS (A) PCB
23. SEG PCB (SEG ONLY)
24. VIF UNIT
25. TUNER UNIT
26. RF CONVERTER
27. PRE AMP PCB
28. POWER SUPPLY (2) PCB (EXCEPT SK)
29. POWER SUPPLY (1) PCB (EXCEPT SK)
    POWER SUPPLY PCB (SK ONLY)
30. DIODE PCB
31. PINCH ROLLER
32. AUDIO / CONTROL / S. ERASE HEAD
33. POWER TRANSFORMER
34. VIDEO HEAD DRUM BLOCK
35. EARTH BRUSH

*Photograph employed on this page is of model VS-F265SEG

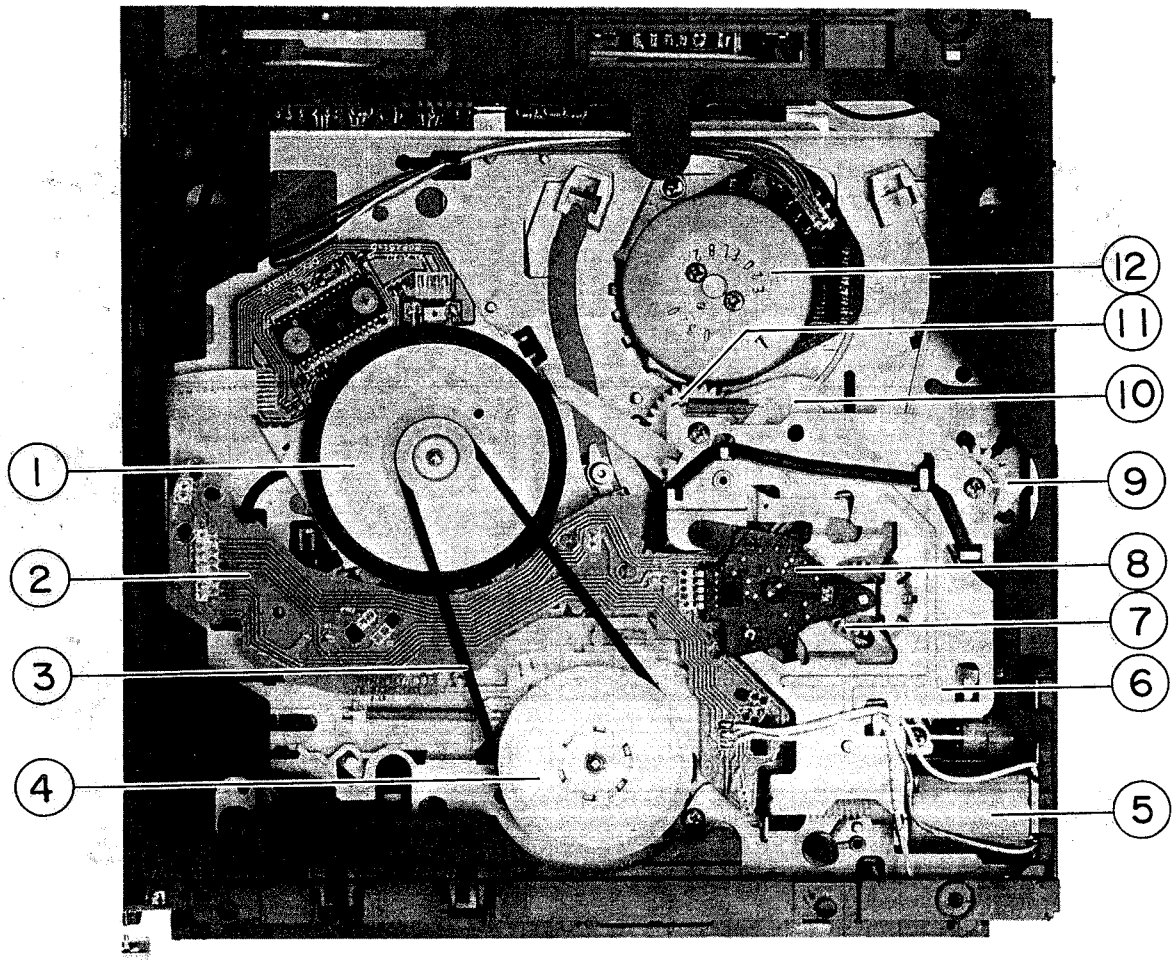


Fig. 2-2 Bottom view

1. CAPSTAN MOTOR BLOCK
2. SENSOR PCB
3. CAPSTAN BELT
4. CLUTCH DISK PART
5. LOADING MOTOR
6. LOADING DRIVE BLOCK
7. CAM SLIDER GEAR
8. MODE SELECT SWITCH
9. FRONT LOADING GEAR
10. TOGGLE (S) GEAR BLOCK
11. TOGGLE (T) GEAR BLOCK
12. DRUM MOTOR BLOCK

III. MAIN COMPONENTS REPLACEMENT

3-1. REMOVAL OF THE EJECTOR BLOCK

* Set the loading mechanism to the "EJECT" position by pressing the EJECT button. Then disconnect the AC power plug from the AC socket before proceeding.

3-1-1. Removal of the CASSETTE LOAD BLK

1) Remove the two Ⓐ screws on the UPPER PLATE as shown in Fig. 3-1 then remove the UPPER PLATE.
2) Lift up the FRONT GUIDE while pushing the CASSETTE LOAD BLK backward, then remove the FRONT GUIDE.
3) Lift up the front side of the CASSETTE LOAD BLK gently then remove it. To avoid damaging the pins of the CASSETTE LOAD BLK and the groove of the MECHA.FRAME, do not add excessive force to the CASSETTE LOAD BLK when removing it.

III. REMPLACEMENT DES ORGANES PRINCIPAUX

3-1. DEPOSE DU BLOC EJECTEUR

* Mettre le mécanisme de chargement en position éjection en appuyant sur la touche EJECT. Débrancher ensuite le cordon d'alimentation avant d'aller plus loin.

3-1-1. Dépose du bloc de chargement de cassette (CASSETTE LOAD BLK)

1) Déposer les deux vis Ⓐ sur la plaque supérieure (UPPER PLATE), comme illustré à la fig. 3-1, puis déposer la plaque supérieure (UPPER PLATE).
2) Soulever le guide avant (FRONT GUIDE) tout en poussant le bloc de chargement de cassette (CASSETTE LOAD BLK) vers l'arrière et déposer ensuite le guide avant (FRONT GUIDE).
3) Soulever avec précaution l'avant du bloc de chargement de cassette (CASSETTE LOAD BLK) puis déposer celui-ci. Pour ne pas endommager les axes du bloc de chargement (CASSETTE LOAD BLK) et les rainures du châssis du mécanisme (MECHA. FRAME), ne pas déposer le bloc de chargement (CASSETTE LOAD BLK) avec une force excessive.

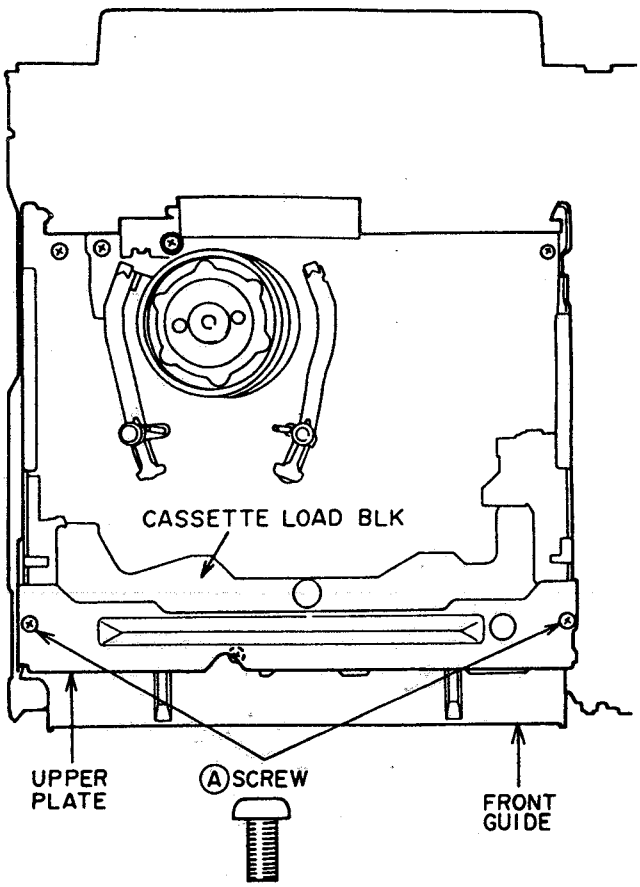


Fig. 3-1

3-1-2. Removal of the LOADING ARM BLK

1) Release the stopper on the right side end of the LOADING ARM BLK's shaft (Refer Fig. 3-2) by pressing the stopper tab with a flat head (—) screwdriver. Then remove the shaft's right end from the bracket.

3-1-2. Dépose du bloc de bras de chargement (LOADING ARM BLK)

1) Libérer la pièce d'arrêt située à l'extrèmité droite de l'arbre du bloc de bras de chargement (LOADING ARM BLK) (voir la Fig. 3-2) en appuyant sur sa languette à l'aide d'un tournevis plat. Sortir ensuite l'extrémité droite de l'arbre de la ferrure.

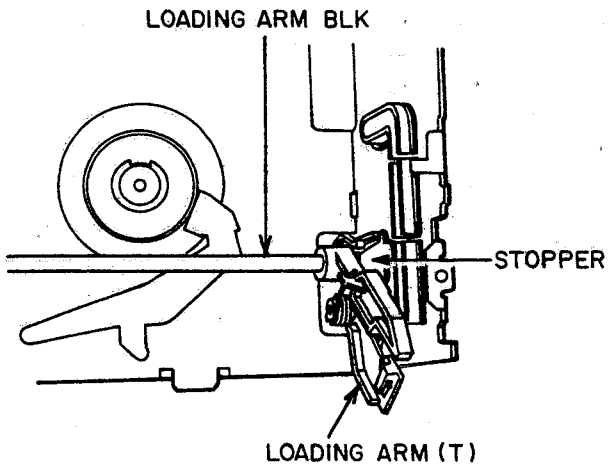


Fig. 3-2

2) Hold the LOADING ARM (T) and turn it 30 degrees clockwise, then pull out the shaft's left end from the bracket. To avoid damaging the JOINT GEAR and EJECT GEAR, take special care when removing. (Refer Fig. 3-3)

2) Tenir le bras de chargement (LOADING ARM (T)) et le faire touner de 30 dans le sens des aiguille d'une montre, puis sortir l'extrémité gauche de l'arbre de la ferrure. Prendre toutes les précautions requises lors de la dépose pour ne pas endommager le pignon commun (JOINT GEAR) et le pignon d'éjection (EJECT GEAR). (Voir Fig. 3-3)

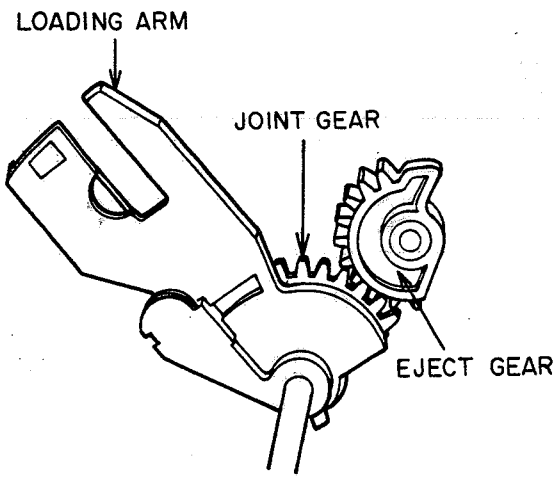


Fig. 3-3

3-2. REMOVAL OF THE SENSOR PC BOARD

* Before proceeding with removal of the SENSOR PCB the loading mechanism must be set to the "unloaded" position (the position where the CAM SLIDER GEAR's groove mark is visible through the hole of the MODE SELECT SW.) as shown in Fig. 3-4.

3-2. DEPOSE DE LA PLAQUETTE CI CAPTEUR (SENSOR PCB)

* Avant de procéder à la dépose de la PCI capteur (SENSOR PCB), il est nécessaire de mettre le mécanisme de chargement à la position "déchargé" (la position où l'encoche repère du pignon coulissant de came (CAM SLIDER GEAR) est visible à traver le trou du sélecteur de mode (MODE SELECT SW).) comme illustré à la Fig. 3-4.

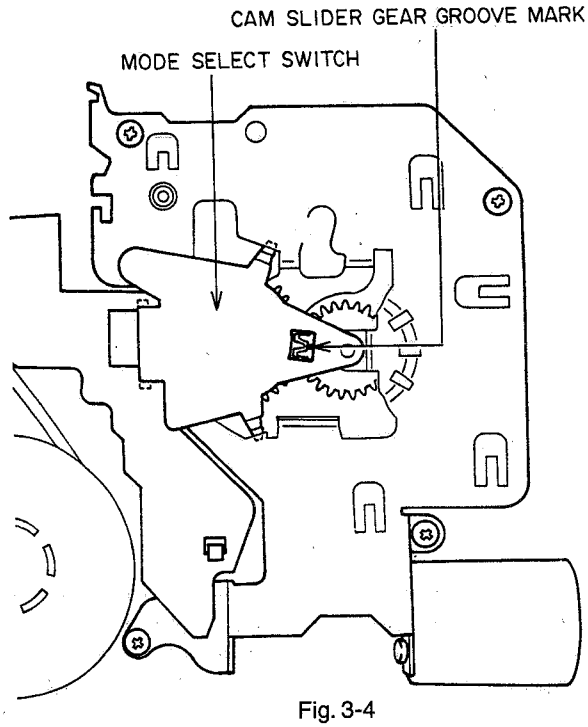


Fig. 3-4

To set the loading mechanism to the "unloaded" position, proceed with one of the following procedures.

1) Insert a video cassette tape which you no longer need. Once the tape has been loaded or has entered the "play" mode, press the POWER button to turn the power off. Disconnect the AC power plug from the AC socket after the cassette tape has been unloaded.
2) Remove the UPPER PLATE, FRONT GUIDE and CASSETTE LOAD BLK. (Refer to 3-1-1. Removal of the CASSETTE LOAD BLK.)
   Plug in the AC power cord. The LOADING ARM BLK will move backward and forward continuously. With your fingers, cover and hold both the SENSOR (S) and SENSOR (T) at the same time when the LOADING ARM BLK is in the backward position. The unit will enter the "play" mode without a cassette tape. Then release your fingers from both the sensors at the same time. After about 10 seconds (when the PINCH ROLLER is disengaged from the CAPSTAN and the SUPPLY REEL stops rotating, and the mechanism is set to "standby"), press the POWER button on the OPERATION (A) PCB.
   The mechanism will now be set to the "tape unloaded" position.
   Disconnect the AC power plug from the AC power socket.

Pour régler le mécanisme de chargement sur la position "non chargée", effectuer une des procédures suivantes.

1) Insérer une cassette vidéo dont on n'en a plus besoin.
   Dès que la bande a été chargée ou qu'elle est entrée en mode de "lecture", appuyer sur la touche d'alimentation (POWER) pour éteindre l'appareil.
   Déconnecter la fiche d'alimentation secteur de la prise secteur après avoir retirée la cassette.
2) Retirer la plaque supérieure (UPPER PLATE), le guide frontal (FRONT GUIDE) et le bloc de chargement de cassette (CASSETTE LOAD BLK). (Se reporter à la section 3-1-1. Retrait du bloc de bras de chargement (LOADING ARM BLK.)
   Brancher le cordon d'alimentation secteur. Le bloc du bras de chargement (LOADING ARM BLK) se déplace continuellement en arrière et en avant. Couvrir avec les doigts les détecteurs (SENSOR) (S) et (SENSOR (T) et les maintenir enfoncés en même temps lorsque le bloc de bras de chargement (LOADING ARM BLK) est dans la position arrière. Cet appareil entre en "mode de lecture" sans bande cassette. Relâcher ensuite les doigts des deux détecteurs en même temps. Après environ 10 secondes (lorsque la bobine du galet presseur (PINCH ROLLER REEL) s'arrête de tourner, et le mécanisme est réglé en mode "d'attente"), appuyer sur la touche d'alimentation (POWER) de la carte à circuit imprimé de fonctionnement (A) (OPERATION (A) PCB).
   Le mécanisme est maintenant réglé sur la position de "cassette non chargée".
   Déconnecter la fiche d'alimentation secteur de la prise d'alimentation secteur.

3-2-1. Removal of the MODE SELECT SWITCH

1) Release the two Ⓐ stoppers as shown in Fig. 3-5.

3-2-1. Dépose du sélecteur de mode (MODE SELECT SWITCH)

1) Libérer les deux pièces d'arrêt Ⓐ de la manière illustrée à la Fig. 3-5.

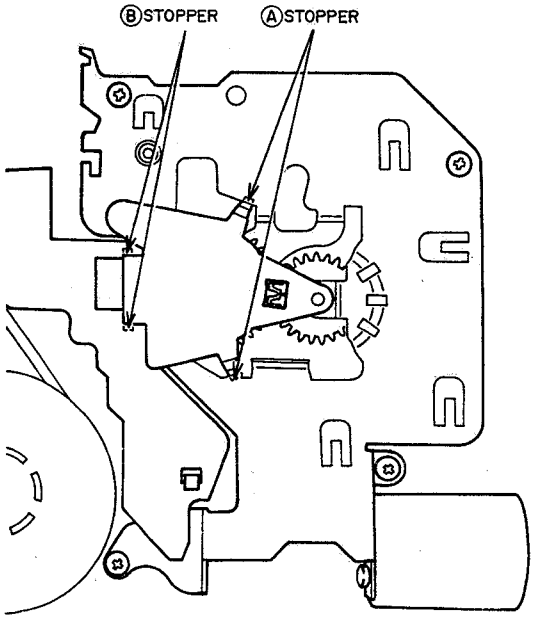


Fig. 3-5

2) Release the two Ⓑ stoppers carefully while pulling up the MODE SELECT SWITCH. Then remove the MODE SELECT SWITCH. (Do not damage the pins of the MODE SELECT SWITCH or the connector P1 on the SENSOR PCB).

2) Libérer les deux pièces d'arrêt Ⓑ avec précaution tout en soulevant le sélecteur de mode (MODE SELECT SWITCH). Déposer ensuite le sélecteur de mode (MODE SELECT SWITCH). (Faire attention de ne pas endommager les axes du sélecteur de mode (MODE SELECT SWITCH) ou du connecteur P1 sur la PCI capteur (SENSOR PCB).)

3-2-2. Removal of the SENSOR PC Board

1) Disconnect the connector P303 on the MAIN (A) PCB.
2) Remove the capstan belt.
3) Release the Ⓐ, Ⓑ and Ⓒ stoppers as shown in Fig. 3-6. Then remove the SENSOR PCB.

3-2-2. Dépose de la plaquette CI capteur (SENSOR PCB)

1) Déconnecter le connecteur P303 de la carte de circuit intégré principale (MAIN (A) PCB).
2) Déposer la courroie de cabestan.
3) Libérer les pièces d'arrêt Ⓐ, Ⓑ et Ⓒ de la manière illustrée à la Fig.3-6 puis déposer la PCI capteur (SENSOR PCB).

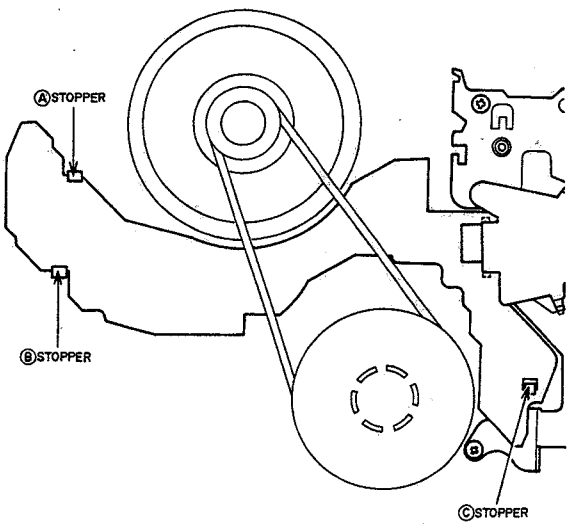


Fig. 3-6

3-3. REMOVAL OF THE LOADING DRIVE BLK

Set the loading mechanism at the "unloaded" position as well as 3-2 (REMOVAL OF THE SENSOR PC BOARD). However this time, to avoid damaging the tape and mechanical parts, refer to 3-2, *(2) only.

1) Remove the MODE SELECT SWITCH in the same manner as 3-2-1 (Removal of the MODE SELECT SWITCH).
2) Unhook the five wires from each tab. Two wires from the SENSOR(S), two wires from the LOADING MOTOR and one wire from the REC SAFETY SWITCH.
3) Remove the Ⓐ, Ⓑ, Ⓒ and Ⓓ screws, then remove the LOADING DRIVE BLK as shown in Fig. 3-7.

3-3. DEPOSE DU BLOC D'ENTRAINEMENT DE CHARGEMENT (LOADING DRIVE BLK)

Mettre le mécanisme de chargement sur la position "déchargé" de la manière indiquée en 3-2 (DEPOSE DE LA PLAQUETTE CI CAPTEUR). Dans ce cas, cependant, procéder de la manière décrite en 3-2 *(2) uniquement afin de ne pas endommager la bande et les pièces mécaniques.

1) Déposer le sélecteur de mode de la manière décrite en 3-2-1 (Dépose du sélecteur de mode (MODE SELECT SWITCH).)
2) Décrocher les cinq fils de chaque languette. Deux fils provenant du capteur SENSOR (S), deux fils du moteur de chargement (LOADING MOTOR) et un fil du commutateur de sécurité d'enregistrement (REC SAFETY SWITCH).
3) Déposer les vis Ⓐ, Ⓑ, Ⓒ et Ⓓ et déposer ensuite le bloc d'entraînement de chargement (LOADING DRIVE BLK) comme montré à la Fig. 3-7.

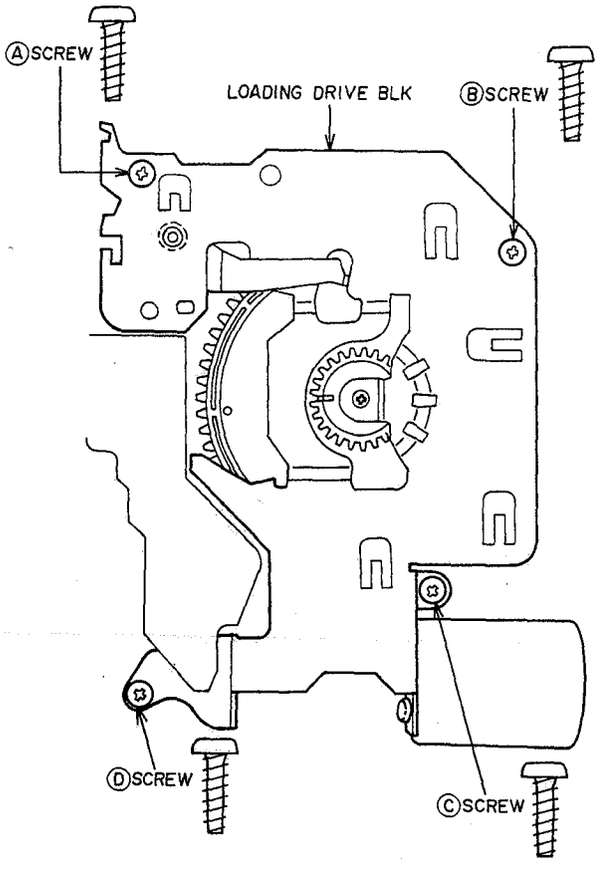


Fig. 3-7

3-4. REASSEMBLY OF THE LOADING MECH ANISM BLK

3-4-1. Position of the TOGGLE GEARs (T) and (S)

1) Set the TOGGLE GEAR (T) and TOGGLE GEAR (S) to the unloaded position with your fingers. Align the Ⓐ mark on the TOGGLE GEAR (S) with the Ⓐ hole of the TOGGLE GEAR (T) as shown in Fig. 3-8.

3-4. REMONTAGE DU BLOC DU MECANISME DE CHARGEMENT

3-4-1. Position des pignons de bascule (TOGGLE GEAR) (T) et (S)

1) Mettre les pignons de bascule (TOGGLE GEAR) (T) et (S) sur la position déchargé avec les doigts. Aligner le repère (A) du pignon (TOGGLE GEAR) (S) sur le trous (A) du pignon (TOGGLE GEAR) (T) comme illustré à la Fig. 3-8.

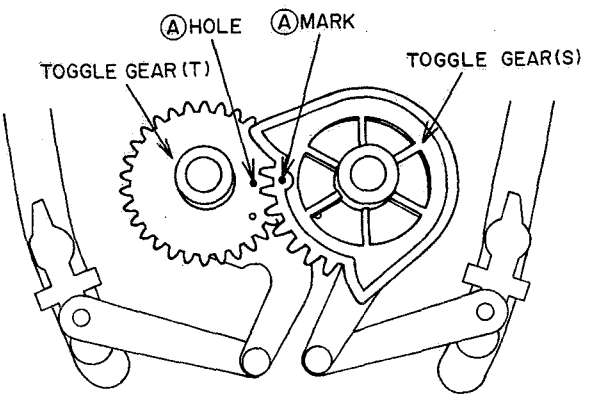


Fig. 3-8

3-4-2. Installation of the CAM SLIDER GEAR & FRONT LOADING GEAR

1) Attach the WORM WHEEL GEAR as shown in Fig. 3-9.

3-4-2. Installation du pignon coulissant de came (CAM SLIDER GEAR) et du pignon de chargement avant (FRONT LOADING GEAR)

1) Fixer la roue à vis sans fin (WORM WHEEL GEAR) comme montré à la Fig. 3-9.

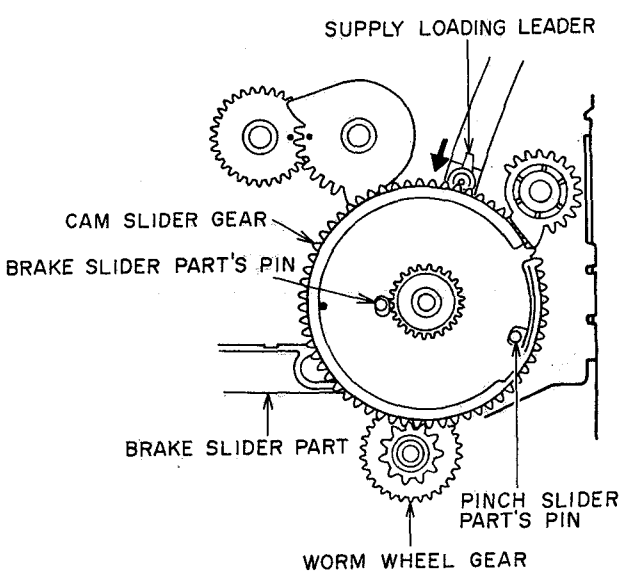


Fig. 3-9

2) Set the CAM SLIDER GEAR and adjust the position ofthe BRAKE SLIDER PART and PINCH SLIDER PART so that both pins appear through the holes on the CAM SLIDER GEAR as shown in Fig.3-9. When inserting the CAM SLIDER GEAR onto its shaft, press the SUPPLY LOADING LEADER slightly in the direction of the arrow to make installation easy.

2) Régler l'engrenage coulissant de la came (CAM SLIDER GEAR) et ajuster la position de la pièce coulissante de freinage (BRAKE SLIDER PART) et la pièce coulissante du galet presseur (PINCH SLIDER PART) de telle sorte que les deux broches apparaissent à travers les trous sur l'engrenage coulissant de la came (CAM SLIDER GEAR) comme indiqué sur la Fig. 3-9. Lors de l'insertion de l'engrenage coulissant de la came (CAM SLIDER GEAR) sur son axe, appuyer légèrement sur le guide de chargement (SUPPLY LOADING LEADER) dans la direction de la flèche pour faciliter l'installation.

3) Attach the FRONT LOADING GEAR as shown in Fig. 3-10. At this time, align the Ⓑ mark on the FRONT LOADING GEAR with the Ⓑ hole of the FRONT LOADING SLIDER as shown in Fig. 3-11.

3) Fixer le pignon de chargement avant (FRONT LOADING GEAR) comme montré à la Fig. 3-10. Aligner alors le repère Ⓑ du pignon de chargement avant (FRONT LOADING GEAR) sur le trou Ⓑ du coulisseau de chargement avant (FRONT LOADING SLIDER) comme montré à la Fig. 3-11.

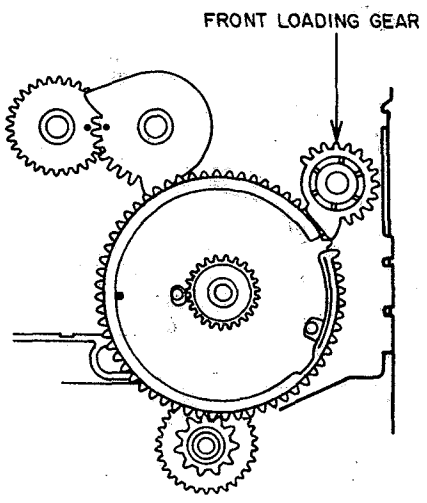


Fig. 3-10

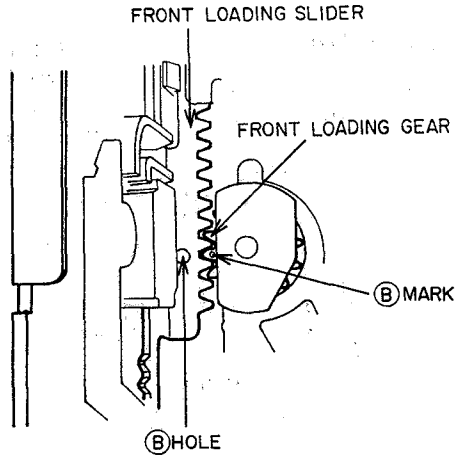


Fig. 3-11

3-4-3. Confirmation of the position of the EJECT GEAR

1) Confirm that the EJECT GEAR is in the correct position as shown in Fig. 3-12.

3-4-3. Contrôle de la position du pignon d'éjection (EJECT GEAR)

1) Confirmer que le pignon d'éjection (EJECT GEAR) est dans la position correcte comme montré à la Fig. 3-12.

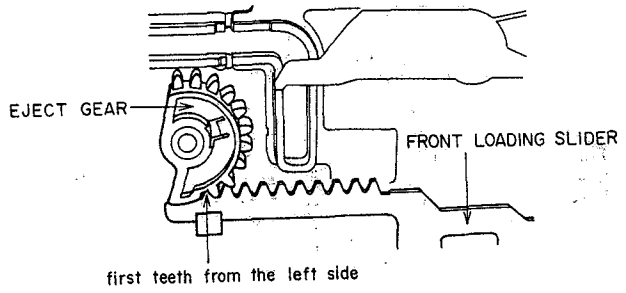


Fig. 3-12

2) Install the LOADING DRIVE BLK as shown in Fig. 3-13.

2) Installer le bloc d'entraînement de chargement (LOADING DRIVE BLK) comme montré à la Fig. 3-13.

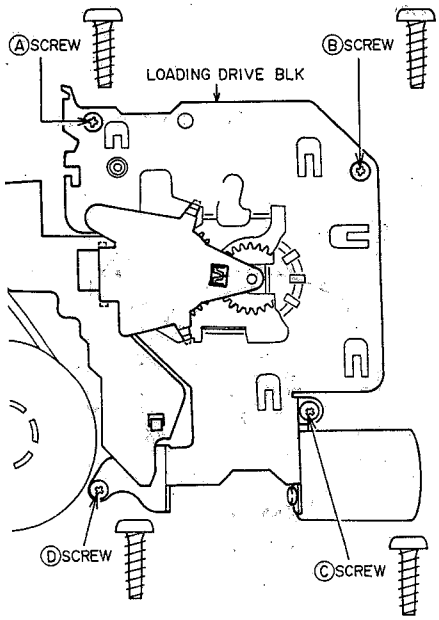


Fig. 3-13

3-4-4. Installation of the MODE SELECT SWITCH

1) Set the MODE SELECT SWITCH's gear so that the © mark is in the center of the © hole as shown in Fig. 3-14.

3-4-4. Installation du sélecteur de mode (MODE SELECT SWITCH)

1) Poser le pignon du sélecteur de mode (MODE SELECT SWITCH) de sorte que le repère © soit placé au centre du trou © comme montré à la Fig. 3-14.

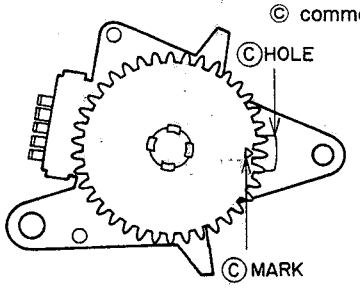


Fig. 3-14

2) Attach the MODE SELECT SWITCH to the LOADING DRIVE BLK. At this time, align the hollow of the gear's tooth (reverse side of the © mark) with the © groove of the CAM SLIDER GEAR as shown in Fig. 3-15.

2) Fixer le sélecteur de mode (MODE SELECT SWITCH) au bloc d'entraînement de chargement (LOADING DRIVE BLK). Aligner alors le creux de la dent du pignon (côté opposé au repère ©) sur l'encoche © du pignon coulissant de came (CAM SLIDER GEAR) comme montré à la Fig. 3-15.

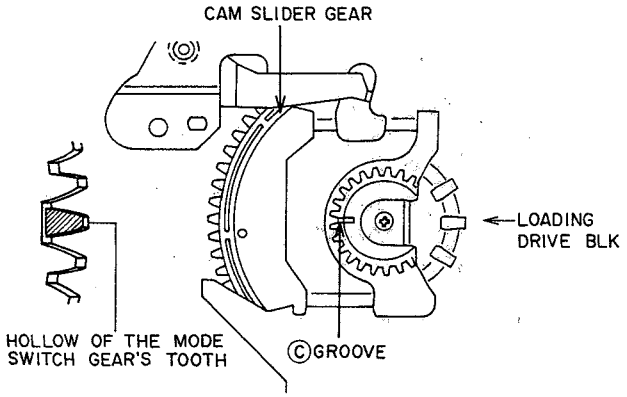


Fig. 3-15

3-4-5. Installation of the LOADING ARM BLK

1) While covering the SENSOR (S) with your fingers, connect the AC power plug to the AC socket. The FRONT LOADING SLIDER will reach the "EJECT" position. Then disconnect the AC power plug from the AC socket before you release your fingers from the SENSOR (S).
2) Install the LOADING ARM BLK in the reverse order of 3-1-2 (Removal of the LOADING ARM BLK). Set the position between both the EJECT GEAR and the JOINT GEAR as shown in Fig. 3-16.

3-4-5. Installation du bloc de bras de chargement (LOADING ARM BLK)

1) Tout en couvrant le capteur (SENSOR) (S) avec les doigts, brancher le cordon d'alimentation à une prise murale. Le coulisseau de chargement avant (FRONT LOADING SLIDER) atteint la position d'éjection "EJECT". Débrancher le cordon d'alimentation avant de relâcher le capteur (SENSOR) (S).
2) Poser le bloc de bras de chargement (LOADING ARM BLK) en procédant dans l'ordre inverse de 3-1-2 "Dépose du bloc de bras de chargement (LOADING ARM BLK)". Régler la position respective du pignon d'éjection 9EJECT GEAR) et du pignon commun (JOINT GEAR) comme montré à la Fig. 3-16.

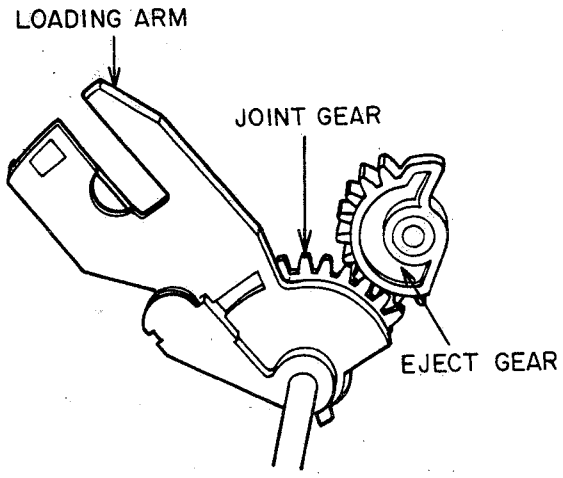


Fig. 3-16

3-4-6. Installation of the CASSETTE LOAD BLK, FRONT GUIDE and UPPER PLATE

1) Attach the CASSETTE LOAD BLK, FRONT GUIDE and UPPER PLATE in the reverse order of 3-1-1 (Removal of the CASSETTE LOAD BLK).
2) Insert a video cassette tape and confirm that the loading mechanism will operate properly.

3-4-6. Pose du bloc de chargement de cassette (CASSETTE LOAD BLK), du guide avant (FRONT GUIDE) et de la plaque supérieure (FRONT PLATE)

1) Poser le bloc de chargement de cassette (CASSETTE LOAD BLK), le guide avant (FRONT GUIDE) et la plaque supérieure (FRONT PLATE) en procédant dans l'ordre inverse indiqué en 3-1-1 "Dépose du bloc de chargement de cassette (CASSETTE LOAD BLK)".
2) Introduire une cassette et confirmer que le mécanisme de chargement fonctionne correctement.

3-5. REPLACEMENT OF THE PINCH ROLLER PART

1) Remove the Ⓐ screw then replace the PINCH ROLLER as shown in Fig. 3-17.

3-5. REMPLACEMENT DU GALET PRESSEUR (PINCH ROLLER PART)

1) Retier la vis Ⓐ, ensuite remplacer le galet presseur (PINCH ROLLER) comme indiqué sur la Fig. 3-17.

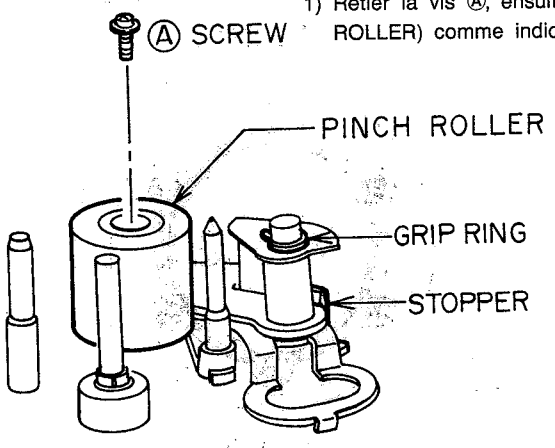


Fig. 3-17

2) Turn the PINCH HOLDER PART 30 degrees clockwise while pushing it backward and remove the PINCH HOLDER PART from the PINCH ARM.
3) Reassemble the PINCH ROLLER ARM BLK in the reverse order of 1) to 2).

3-6. REPLACEMENT OF THE IDLER PART AND REVIEW BRAKE PART

1) Remove the CASSETTE LOAD BLK & ARM LOADING BLK. (Refer to 3-1, REMOVAL OF THE EJECTOR BLK.)
2) Release the stopper of the IDLER PART as shown in Fig. 3-18, then remove it.

2) Tourner le support presseur de 30 dans le sens des aiguille d'une montre tout en le poussant vers l'arrière et séparer le support presseur (PINCH HOLDER PART) du bras presseur (PINCH ARM).
3) Réassembler le bloc de bras presseur (PINCH ARM BLK) en procédant dans l'ordre inverse de 1) et 2).

3-6. REMPLACEMENT DE L'ENGRENAGE INTERMEDIAIRE (IDLER PART) ET DU FREIN DE REMBOBINAGE RAPIDE (REVIEW BRAKE PART)

1) Déposer le bloc de chargement de cassette (CASSETTE LOAD BLK) et le bloc de bras de chargement (LOADING ARM BLK). (Se reporter à 3-1, DEPOSE DU BLOC EJECTEUR.)
2) Libérer la pièce d'arrêt de l'engrenage intermédiaire, comme montré à la Fig. 3-18, puis déposer ce dernier.

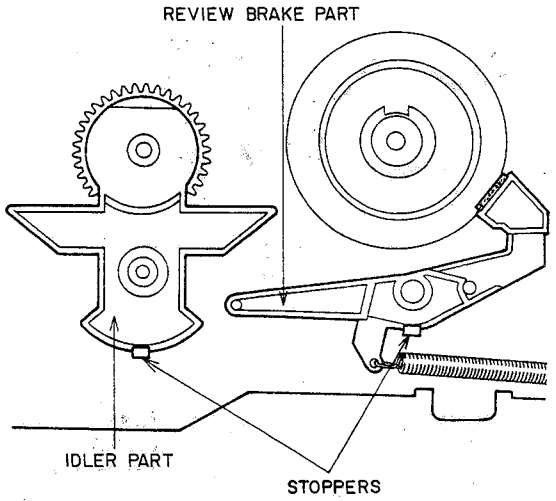


Fig. 3-18

3-7. REPLACEMENT OF THE UPPER DRUM

3-7-1. Removal of the UPPER DRUM

1) Unsolder the four (for models VS-F260/F265/F266/F275) or six (for models VS-F340/F345/F375) relay leads and remove the two upper drum fixing screws as shown in Fig. 3-19.
2) Gently lift and remove the UPPER DRUM.

3-7. REMPLACEMENT DU TAMBOUR SUPERIEUR (UPPER DRUM)

3-7-1. Dépose du tambour supérieur (UPPER DRUM)

1) Dessouder les quatre (modèle VS-F260/F265/F266/F275) ou les six (modèles VS-F340/F345/F375) conducteurs de relais et déposer les deux vis de fixation du tambour supérieur comme montré à la Fig. 3-19.
2) Soulever avec précaution et déposer le tambour supérieur (UPPER DRUM).

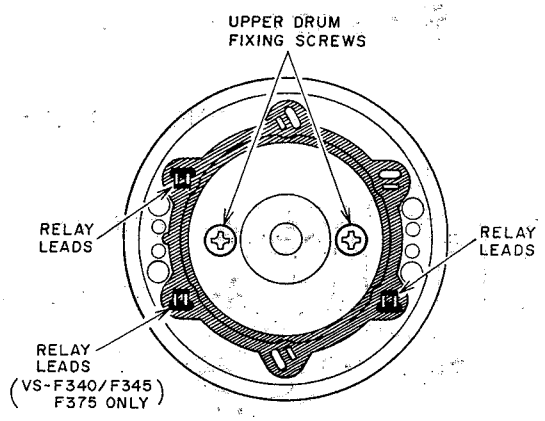


Fig. 3-19

3-7-2. Installation of the UPPER DRUM

[For models VS-F260/F265/F266/F275]

Attach the UPPER DRUM to the LOWER DRUM ROTOR so that the upper drum convex Ⓐ and lower drum rotor's white PCB side are in the same direction as shown in Fig. 3-20a.

3-7-2. Pose du tambour supérieur (UPPER DRUM)

[Modèle VS-F260/F265/F266/F275]

Fixer le tambour supérieur (UPPER DRUM) sur le rotor de tambour inferieur (LOWER DRUM ROTOR) de sorte que la partie convexe Ⓐ du tambour supérieur et le côté PCI blanche du rotor de tambour inférieur soient dirigés dans le même sens comme montré à la Fig. 3-20a.

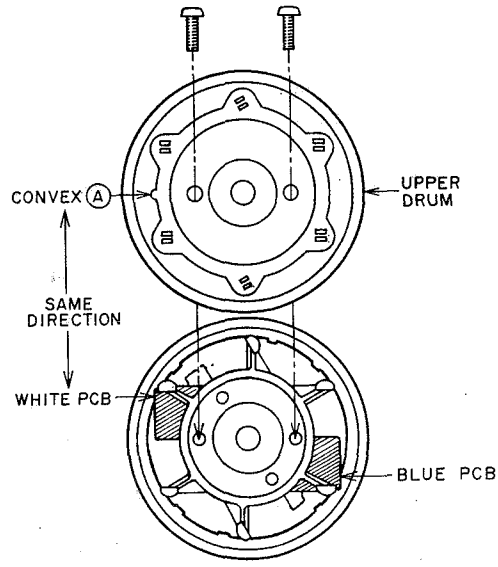


Fig. 3-20a

[For models VS-F340/F345/F375]

Attach the UPPER DRUM to the LOWER DRUM ROTOR so that the upper drum convex Ⓐ and lower drum rotor's white mark are in the same direction as shown in Fig.3-20b.

[Modèles VS-F340/F345/F375]

Fixer le tambour supérieur (UPPER DRUM) sur le rotor de tambour inferieur (LOWER DRUM ROTOR) de sorte que la partie convexe Ⓐ du tambour supérieur et le repère blanc du rotor de tambour inférieur soient dirigés dans le même sens comme montré à la Fig. 3-20b.

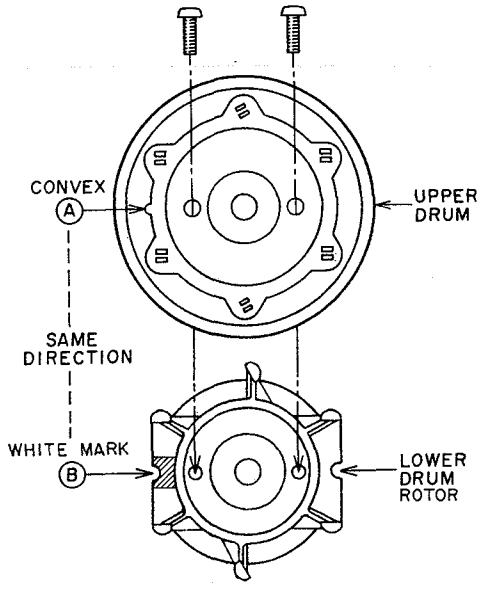


Fig. 3-20b

NOTE: Because height precision is required for proper performance, and because head tips are fragile, the following points should be noted when replacing the UPPER DRUM BLOCK.

(a) Do not loosen the set screw on the collar preload.
(b) Before fixing, use alcohol to clean both surfaces where the upper drum and the rotary transformer meet.
(c) If the UPPER DRUM can not be inserted on to the shaft easily during installation, clean the hole in the UPPER DRUM with alcohol and put a little oil on the shaft.
(d) Make sure that the upper drum fixing screw holes on the rotary transformer part and the upper drum fixing screw penetration holes match exactly before inserting the fixing screws.
(e) Tighten the two upper drum fixing screws alternately and gradually.

3-7-3. After replacement

After replacement, the following adjustments are necessary for the proper performance.

1) Control head Phase adjustment (IV. MECHANICAL ADJUSTMENT 4-3-3.)
2) PB switching point adjustment. (V. ELECTRICAL ADJUSTMENT Step 1)
3) Video head REC current adjustment. (V. ELECTRICAL ADJUSTMENT Step 13,14)
4) ENV.DET (I-HQ) adjustment. (V. ELECTRICAL ADJUSTMENT Step 16)

REMARQUE: Du fait que la hauteur doit être réglée avec une grande précision pour que l'appareil fonctionne correctement et du fait que le bout des têtes est fragile, observer les points suivant lors du remplacement du bloc de tambour supérieur (UPPER DRUM BLOCK).

(a) Ne pas desserrer la vis de précharge du collier.
(b) Avant de poser, nettoyer les surfaces de contact du tambour supérieur et du transformateur rotatif avec de l'alcool.
(c) Si lors de l'installation le tambour supérieur ne peut pas glisser facilement sur l'axe, nettoyer l'orifice du tambour supérieur avec de l'alcool et appliquer un peu d'huile sur l'axe.
(d) S'assurer que les trous de vis de fixation sur le tambour supérieur sur le transformateur rotatif coïncident parfaitement avant d'introduire les vis.
(e) Serrer chacune des deux vis de fixation du tambour supérieur alternativement et progressivement.

3-7-3. Après le remplacement

Après le remplacement, il est nécessaire d'effectuer les réglages suivants pour que l'appareil fonctionne correctement.

1) Réglage de la phase de tête de commande (IV. REGLAGES MECANIQUES 4-3-3).
2) Réglage du point de commutation de lecture "PB" (V. REGLAGES ELECTRIQUES, Etape 1).
3) Réglage de l'intensité d'enregistrement "REC" de la tête vidéo (V. REGLAGES ELECTRIQUES, Etape 13,14)
4) Réglage ENV. DET (I-HQ). (Ajustage électrique V. (V. ELECTRICAL ADJUSTMENT) Point 16)

3-8. DRUM MOTOR PC BOARD REPLACEMENT

1) Remove the two Ⓐ screws on the ROTARY PLATE and remove the ROTARY PLATE.
Then disconnect the connector on the DRUM MOTOR PCB as shown.

3-8. REMPLACEMENT DE LA PCI DU MOTEUR DE TAMBOUR

1) Déposer les deux vis Ⓐ de la plaque rotative (ROTARY PLATE) puis la plaque rotative (ROTARY PLATE).
Déconnecter ensuite le connecteur du PCI du moteur de tambour (DRUM MOTOR PCB) comme indiqué.

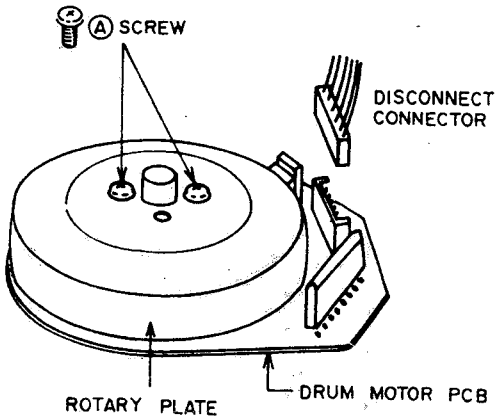


Fig. 3-21

2) Remove the three Ⓑ screws which fix the DRUM MOTOR PCB and replace the DRUM MOTOR PCB.

2) Déposer les trois vis Ⓑ qui soutiennent le PCI du moteur de tambour (DRUM MOTOR PCB) et remplacer le PCI du moteur de tambour.

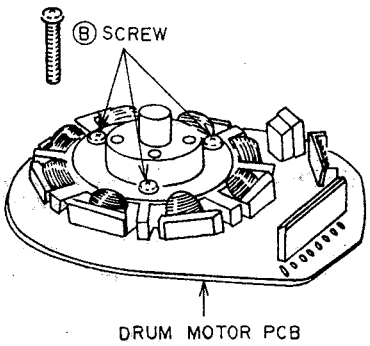


Fig. 3-22

3) Attatch the ROTARY PLATE to the collar preload so that the rotary plate Ⓒ hole and collar preload Ⓓ hole are in the same direction.

3) Fixer la plaque rotative (ROTARY PLATE) au collier de précharge de manière que le trou Ⓒ de la plaque rotative et le trou Ⓓ du collier de précharge soient dirigés dans le même sens.

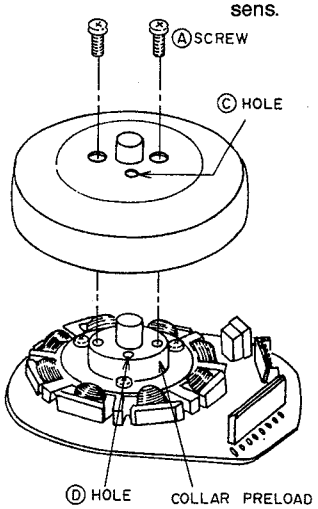


Fig. 3-23

3-9. REMOVAL OF THE MECHANISM BLOCK

3-9-1. Removal of the PRE AMP PC Board

1) Remove the Ⓐ screw which fix the EARTH BRUSH and remove the EARTH BRUSH.
2) Remove the Ⓓ screw on the DIODE PCB and remove the DIODE PCB.
3) Remove the Ⓑ screw then pull up the PRE AMP PCB as shown in Fig. 3-24.

3-9. DEPOSE DU BLOC DE MECANISME

3-9-1. Dépose de la PCI de préampli (PRE AMP PCB)

1) Déposer les vis Ⓐ pui soulever la PCI de préampli (PRE AMP PCB) comme montré à la Fig. 3-24.
2) Déposer la vis Ⓓ de la PCI de diode (DIODE PCB) et déposer cette dernière.
3) Déposer les vis Ⓑpui soulever la PCI de préampli (PREAMP PCB) comme montré à la fig.3-24.

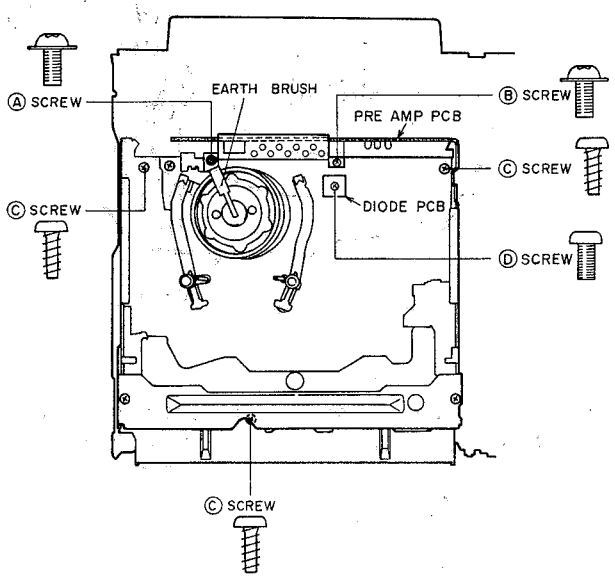


Fig. 3-24

3-9-2. Removal of the MECHANISM BLK (MECHA. FRAME)

1) Disconnect the connectors P301, P302, P303, on the MAIN (A) PCB and P1 on the A/C HEAD PCB.
2) Remove the three Ⓒ screws from the MECHA. FRAME as shown in Fig.3-24.
3) Hold the rear side of the MECHA. FRAME then remove by pulling up backward.
4) Reassemble in the reverse order for installation.

3-9-2. Dépose du bloc de mécanisme (MECHA. FRAME)

1) Déconnecter les connecteurs P301, P302, P303 sur la carte de circuit intégrée principale (MAIN (A) PCB) et P1 sur la carte de circuit intégrée (A/C HEAD PCB).
2) Déposer les trois vis Ⓒ du support de mécanisme (MECHA. FRAME) comme il est indiqué dans la figure 3-24.
3) Tenir la partie arrière du bloc de mécanisme (MECHA. FRAME) et déposer le bloc en le tirant vers le haut.
4) Remonter en procédant dans l'ordre inverse de la dépose.

IV. MECHANICAL ADJUSTMENT

4-1. BACK TENSION ADJUSTMENT

1) Prepare a video cassette tape which you no longer needed. Remove both tapes reels and the tape protection cover from the cassette tape. Then cover the video cassette's left and right side detection holes with back adhesive tape.
2) Play back the tapeless cassette which you prepared.
3) Confirm the distance between Ⓐ groove on the TENSION ARM and the Ⓐ mark on the MECHA. CHASSIS so that the distance shuold be within the value shown in Fig. 4-1.
4) If the result is not satisfactory, eject the tape and adjust the TENSION ADJUST repeatedly until the result is satisfactory.

IV. REGLAGES MECANIQUES

4-1. REGLAGE DE LA TENSION ARRIERE

1) Préparer une cassette vidéo dont on n'en a plus besoin. Retirer les deux bobines de cassette et le couvercle de protection de la bande de la cassette. Couvrir ensuite les trous de détection gauche et droit de la cassette vidéo avec un ruban adhésif noir.
2) Lire la cassette sans bande, qui a été préparée.
3) Confirmer la distance entre la rainure Ⓐ sur le bras de tension (TENSION ARM) et la marque Ⓐ sur le châssis mécanique (MECHA. CHASSIS), de telle sorte que la distance soit inférieure à la valeur indiquée sur la Fig. 4-1.
4) Si le résultat n'est pas satisfaisant, éjecter la bande et ajuster à plusieurs reprises le réglage de tension (TENSION ADJUST) jusqu'à ce que le résultat soit satisfaisant.

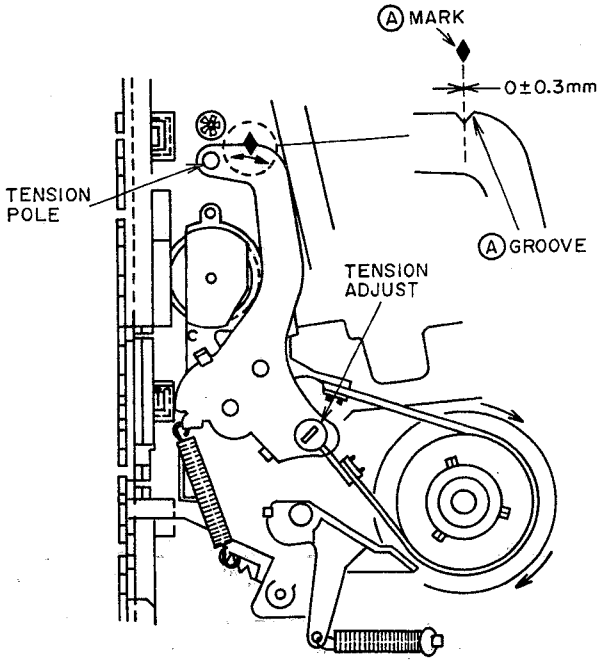


Fig. 4-1

4-2. TAPE TRANSPORT ADJUSTMENTS

NOTE: The following adjustments are required only when an irregularity is found since these adjustment are performed precisely at the factory.

4-2-1. Tape curl adjustment at the TAKE-UP TAPE GUIDE

1) Play back a recorded tape which is no longer needed.
2) Turn the Ⓐ screw on the A/C HEAD BLK until the edge of the tape barely touches the lower part of TAKE UP TAPE GUIDE without any curl or wrinkle.
3) Once the Ⓐ screw is adjusted, A/C HEAD height and azimuth adjustment is required. (Refer to 4-3. A/C HEAD POSITION ADJUSTMENT.)

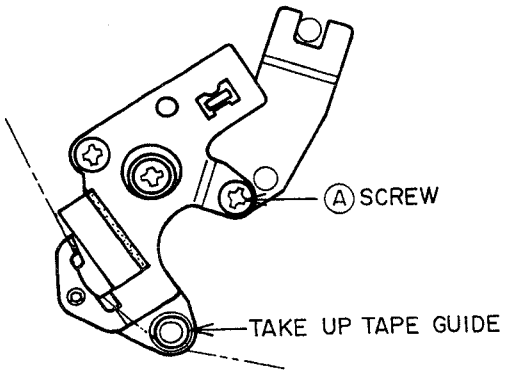


Fig. 4-2

4-2-2. Confirmation of tape curl at the SUPPLY TAPE GUIDE

Confirm that the edge of the tape barely touches the lower part of the SUPPLY TAPE GUIDE without any curl or wrinkle as shown in Fig. 4-4.

4-2. REGLAGES DU TRANSPORT DE LA BANDE

REMARQUE: Les réglages suivants ne doivent être effectués que si une irrégularité est détectée du fait qu'il sont réalisés avec précision en usine.

4-2-1. Réglage de l'enroulement de la bande côté guide d'enroulement (TAKE UP TAPE GUIDE)

1) Lire une bande enregistrée inutilisée.
2) Tourner la vis Ⓐ sur le bloc de tête (A/C HEAD BLK) jusqu'à ce que le bord de la bande touche à peine la partie inférieure du guide d'enroulement (TAKE UP TAPE GUIDE) sans aucun pli ou ondulation.
3) Une fois que le réglage de la vis Ⓐ a été effecuté, il est nécessaire de régler l'azimut et la hauteur. (Se reporter à 4-3 REGLAGE DE LA POSITION DE TETE A/C)

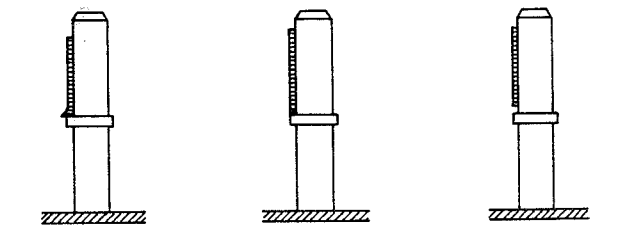


Fig. 4-3

4-2-2. Contrôle de l'enroulement de la bande côté guide d'avance (SUPPLY TAPE GUIDE)

Confirmer que le bord de la bande touche à peine la partie inférieure du guide d'avance (SUPPLY TAPE GUIDE) sans aucun pli ou ondulation, comme montré à la Fig. 4-4.

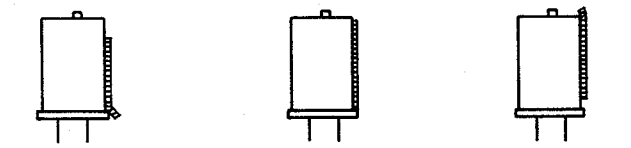


Fig. 4-4

4-2-3. REVIEW ARM height adjustment

1) Play back the beginning part of an E-240 tape and set the unit in the REVIEW mode by pressing the REW button.
(Remove the tape protection cover to make the adjustment easy.)

4-2-3. Reglage de la hauteur du bras de rembobinage (REVIEW ARM)

1) Lire le début d'une bande E-240 et appuyer sur la touche de rembobinage (REW) pour mettre l'appareil dans ce mode.
(Retirer le volet de protection de la bande pour faciliter ce réglage.)

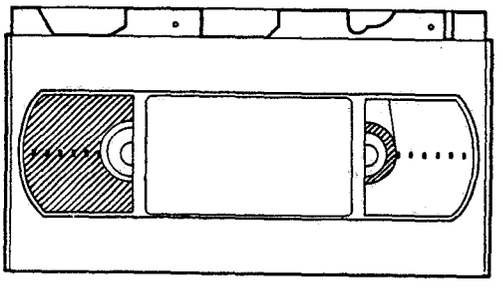


Fig. 4-5

2) Turn the REVIEW ARM height Ⓐ nut so that the edge of the tape barely touches the lower part of the TAKE-UP TAPE GUIDE without any curl or wrinkle between the TAKE-UP TAPE GUIDE and the CAPSTAN SHAFT as shown in Fig. 4-6 to Fig. 4-8.

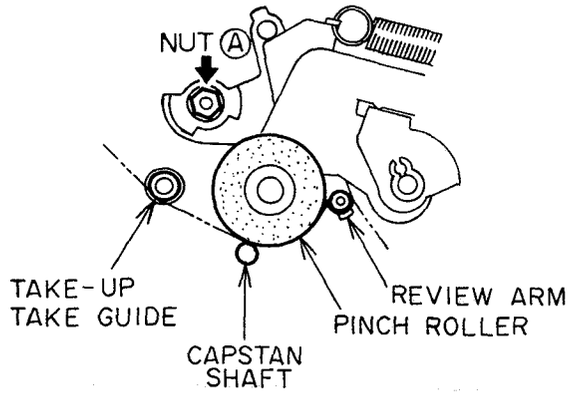


Fig. 4-6

2) Tourner l'écrou Ⓐ de réglage de la hauteur du bras de rembobinage (REVIEW ARM) de manière que le bord de la bande touche à peine la partie inférieure du guide d'enroulement (TAKE UP TAPE GUIDE) sans aucun pli ou ondulation entre ce dernier et l'axe de cabestan, comme montré aux Fig. 4-6 à 4-8.

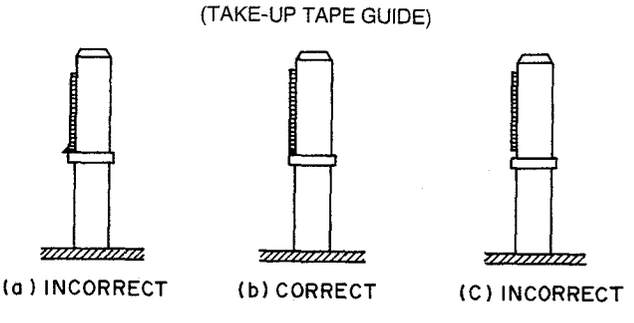


Fig. 4-7

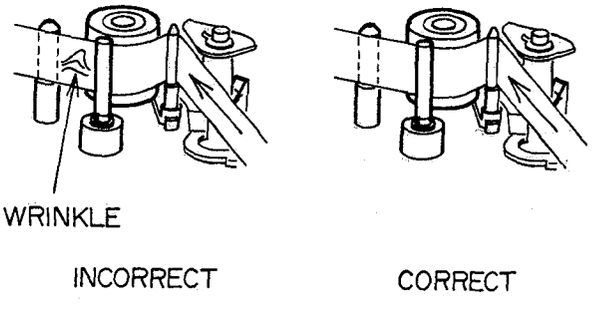


Fig. 4-8

3) Play back the beginning part of an E-240 (T-160) tape and this time set the unit in the CUE mode by pressing the F.FWD button.
4) Confirm there is no curl or wrinkle at REVIEW ARM's guide.
If curl or wrinkle of the tape has occured, slightly turn the Ⓐ nut (Shown in Fig. 4-6) until it disappears.

3) Lire le début d'une bande E-240 (T-160) et mettre cette fois appuyer sur la touche d'avance rapide (F.FWD) pour mettre l'appareil dans ce mode.
4) Confirmer qu'il n'y a aucun pli ou ondulation au niveau du bras de rembobinage (REVIEW ARM).
Si la bande présente des plis ou ondulations, tourner légèrement l'écrou Ⓐ (Montré à la Fig. 4-6) jusqu'à ce que la bande soit tendue.

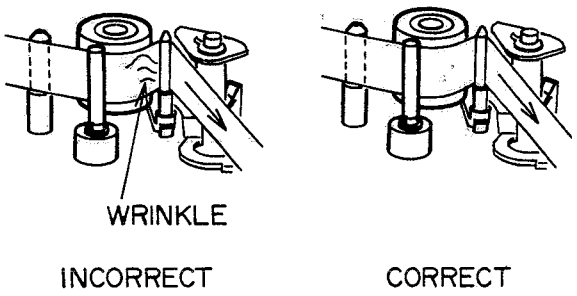


Fig. 4-9

5) Set the unit in REVIEW mode again. Then confirm that there is no curl or wrinkle at the TAKE UP TAPE GUIDE.
(A small gap may appear after this adjustment, but this is allowable)

5) Mettre l'appareil à nouveau en mode de rembobinage et confirmer que la bande ne présente aucun pli ou ondulation au niveau du guide d'enroulement (TAKE UP TAPE GUIDE).
(Un léger écartement peut apparaître après ce réglage, mais ceci est admissible.)

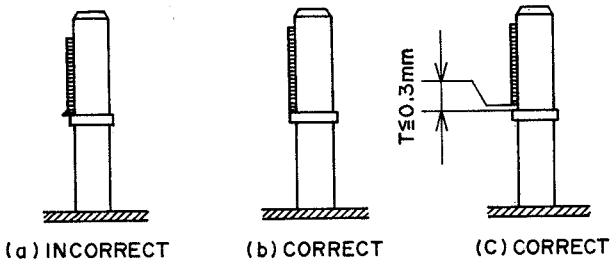


Fig. 4-10

NOTE:
1. If results are not satisfactory, repeat steps 2) to 5).
2. Always play an undamaged tape to obtain satisfactory adjustment.
3) Because an E-240 tape can easily be damaged due of its thinness, a pre-adjustment with an E-180 tape is recommended.

REMARQUE:
1. Si les résultats ne sont pas satisfaisant répéter les opérations 2) à 5).
2. Toujours utiliser une bande qui ne soit pas abimées afin d'effectuer correctement les réglages.
3. Du fait que les bandes E-240 étant très minces sont facilement endommagées, il est conseillé d'effectuer un réglage préliminaire avec une bande E-180.

4-2-4. LOADING LEADER height adjustments

1) Slightly loosen the set screw at the lower part of the LOADING LEADERs (L), (R) so that the LOADING LEADER can be adjusted with reasonable tightness. (Refer Fig. 4-11.)
2) Play back the reference tape TF-530RFS (AT-751775).
3) Connect an oscilloscope's CH-1 to IC501 (BA7107S) ① pin on the MAIN (B) PCB and CH-2 to TP1 (for models VS-F260/F265/F266/F275) or TP2 (for models VS-F340/F345/F375) V-SWP on the PRE AMP PCB for triggering.
4) Turn the LOADING LEADER heads with a flat head (—) screw driver to obtain flat RF envelope as ideal envelope as shown in Fig. 4-12.
5) After adjustment is completed, tighten the loading leader set screws.

4-2-4. Réglages de la hauteur des guides de chargement (LOADING LEADER)

1) Desserrer légèrement la vis de réglage à la partie inférieure des guides de chargement (LOADING LEADER) (L) et (R) afin que les guides puissent être ajustés avec un serrage suffisant. (Voir la Fig. 4-11)
2) Lire la bande de référence TF-530RFS (AT-751775).
3) Connecter la borne CH-1 d'n oscilloscope au circuit imprimé IC501 (BA7107S) (1) sur la carte à circuit imprimé principale (MAIN (B) PCB) et la borne CH-2 au TP-1 (pour les modèles VS-260/F265/F266/F275) ou au TP2 (pour les modèles VS-F340/F345/F375) V-SWP de la carte à circuit imprimé du préamplificateur (PRE AMP PCB) pour le déclenchement.
4) Tourner les têtes de guides de chargement à l'aide d'un tournevis plat de manière à obtenir une enveloppe RF similaire à l'enveloppe idéale montrée à la Fig. 4-12.
5) Une fois que ces réglages sont terminés, serrer la vis de régalge des guides de chargement.

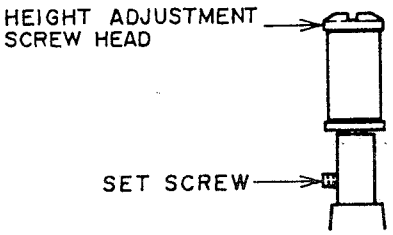


Fig. 4-11

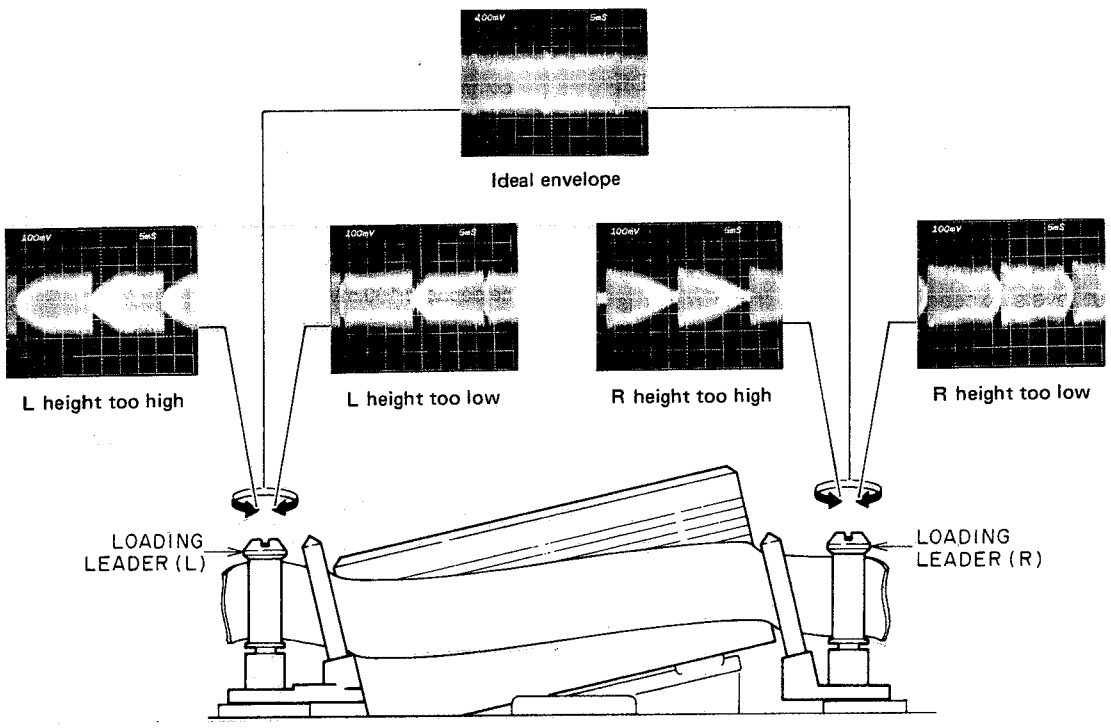


Fig. 4-12

4-3. A/C HEAD POSITION ADJUSTMENT

4-3-1. Azimuth adjustment

1) Connect an AC voltmeter or an oscilloscope to the AUDIO OUT terminal on the rear panel.
2) Play back the reference tape TF-530RFS (AT-751775).
3) Adjust the Ⓑ screw to obtain the maximum audio output.

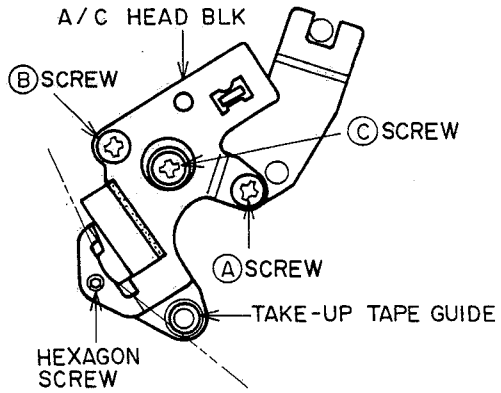


Fig. 4-13

4-3-2. Height adjustment

1) Play back the test tape TF-526HH (AT-751788).
2) Connect an oscilloscope's CH-1 to the AUDIO OUT on the rear panel and CH-2 to the TP301 (CTL OUT) on the MAIN (A) PCB.
3) Turn the hexagon screw to obtain 1/2 of the output level of either CH-1 or CH-2 whichever has an output signal as shown in Fig. 4-14.
   Then set both of the oscilloscope's channels to 100 mV/div and finely adjust the hexagon screw until both signals of CH-1 and CH-2 are nearly the same level.
4) Slightly turn the Ⓐ screw until the tape edge barely touches the lower part of the TAKE UP TAPE GUIDE without any curl or wrinkle as shown in Fig. 4-3.
5) Adjust the head azimuth again. (Turning the hexagon screw or Ⓐ screw will cause head azimuth mis-alignment. Refer to 4-3-1. Azimuth adjustment.)
6) Confirm that both signals of CH-1 and CH-2 are nearly the same level (Confirm that neither of the CH-1 or CH-2 output levels exceed 100 mVp-p). If the result is not satisfactory, repeat steps 3) to 5).

4-3. REGLAGE DE LA POSITION DES TETE A/C

4-3-1. Réglage d'azimut

1) Connecter un voltmètre CA ou un oscilloscope à la borne de sortie audio (AUDIO OUT) sur le panneau arrière.
2) Lire la bande de référence TF-530RFS (AT-751775).
3) Réglar la vis Ⓑ de manière à obtenir la sortie audio optimale.

4-3-2. Réglage de la hauteur

1) Lire la bande de référence TF-526HH (AT-751788).
2) Connecter CH-1 de l'oscilloscope à la sortie audio (AUDIO OUT) du panneau arrière et CH-2 au TP301 (CTL OUT) de la carte de circuit intégrée (MAIN (A) PCB).
3) Tourner la vis hexagonale afin d'obtenir la moitié du niveau de sortie sur CH-1 ou CH-2 comme montré à la Fig. 4-14.
   Régler ensuite les deux canaux de l'oscilloscope à 100 mV/div et régler minutieusement la vis hexagonale jusqu'à ce que le niveau des signaux de CH-1 et CH-2 soit presque identique.
4) Tourner légèrement la vis Ⓐ jusqu'à ce que le bord de la bande touche à peine la partie inférieure du guide d'enroulement (TAKE UP TAPE GUIDE) sans aucun plis ou ondulation, comme montré à la Fig. 4-3.
5) Régler à nouveau l'azimut de la tête. (Le fait de tourner la vis hexagonale ou la vis Ⓐ provoquera un défaut d'alignement en azimut de la tête. Voir 4-3-1, Réglage de l'azimut.)
6) Confirmer que le niveau de sortie de CH-1 et celui de CH-2 sont pratiquement les mêmes.
   (Confirmer que ni le niveau de sortie de CH-1 ni celui de CH-2 ne dépasse 100 mVp-p.)
   Si les résultats ne sont pas satisfaisants, répéter les opérations 3) à 5).

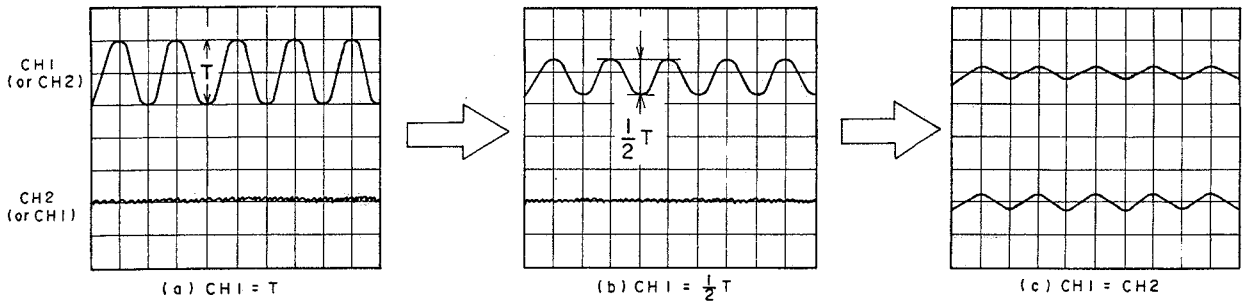


Fig. 4-14

4-3-3. Phase adjustment

1) Connect an oscilloscope's CH-1 to IC501 (BA7107S) ① pin on the MAIN (B) PCB and CH-2 to the TP1 (for models VS-F260/F265/F266/F275) or TP2 (for models VS-F340/F345/F375) V-SWP on the PRE AMP PCB for triggering.
2) Play back the reference tape TF-530RFS (AT-751775).
3) Press the " < " or " > " cursor button on the remote control until the "×" mark can be seen in the center position of the tracking range on the TV screen as shown in Fig. 4-15.
4) Loosen the © screw slightly so that the A/C HEAD PLATE can be moved with reasonable tightness.
5) Insert a sharp flat head (—) screwdriver into the A/C HEAD BASE and Ⓐ hole as shown in Fig. 4-17.
6) Move the A/C HEAD BASE by moving a screwdriver in the direction of the arrow as shown in Fig. 4-17 to obtain the maximum RF output, then tighten the © screw.

4-3-3. Réglage de la phase

1) Connecter la borne CH-1 d'n oscilloscope au circuit imprimé IC501 (BA7107S) (1) sur la carte à circuit imprimé principale (MAIN (B) PCB) et la borne CH-2 au TP-1 (pour les modèles VS-260/F265/F266/F275) ou au TP2 (pour les modèles VS-F340/F345/F375) V-SWP de la carte à circuit imprimé du préamplificateur (PRE AMP PCB) pour le déclenchement.
2) Lire la bande de référence TF-530RFS (AT-751775).
3) Appuyer sur la touche de curseur " < " ou " > " de la télécommande jusqu'à ce que la marque "X" puisse être vue au centre de la plage d'alignement sur l'écran de télévision comme indiqué sur la Fig. 4-15.
4) Desserrer légèrement la vis © afin de pouvoir déplacer la plaque de tête A/C (A/C HEAD PLATE) tout en conservant un serrage suffisant.
5) Introduire un tournevis plat fin dans la base detête A/C (A/C HEAD BASE) et dans l'orifice Ⓐ, comme montré à la Fig. 4-17.
6) Déplacer la base de tête A/C (A/C HEAD BASE) en déplaiant le tournevis dans le sens de la flêche comme montré à la Fig. 4-17 afin d'obtenir une sortie RF maximale, puis serrer la vis ©.

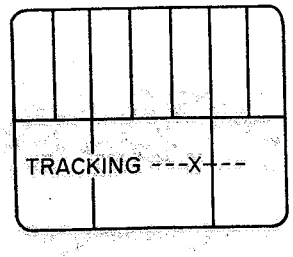


Fig. 4-15

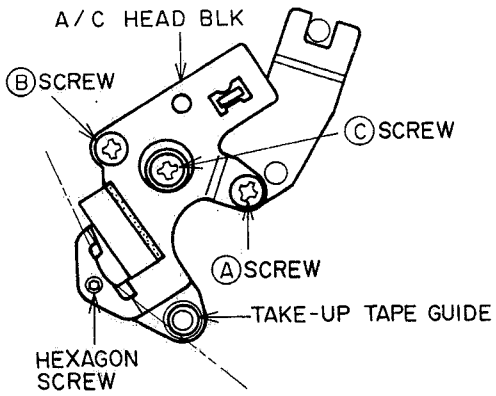


Fig. 4-16

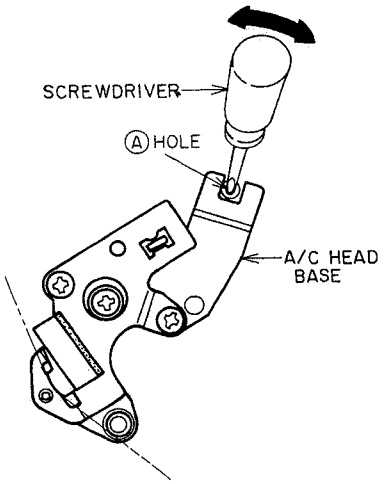
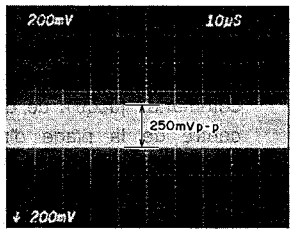


Fig. 4-17

V. ELECTRIAL ADJUSTMENT

13 VIDEO REC CURRENT (EXCEPT SEG)

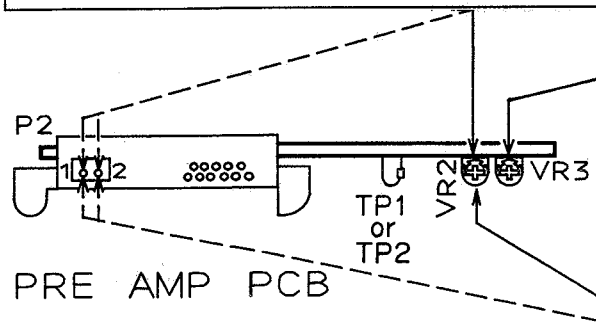
1. "REC", SECAM color bar signal
2. P2 ①, ② pin (TP REC.CURR) & VR2 (REC-Y)
3. • Connect an oscilloscope's CH-1 to P2 ① pin and CH-2 to ② pin.
   • Set the oscilloscope' display mode to "ADD" mode and CH-2 polarity to "INVERTED".
   *Adjust VR2 so that Y REC current becomes 250 mVp-p at the V-SYNC area.



16 ENVELOPE DETECT (I-HQ)

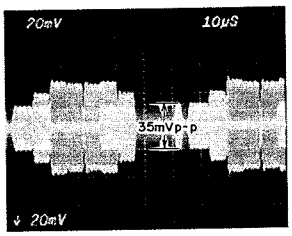
[This adjustment should be performed in the "TEST mode".]
To set the VCR to the TEST MODE, press and hold both the "POWER" and "EJECT" button on the front panel, then plug in the AC power cord.
The TEST MODE can be cancelled by disconnecting the AC power cord or simply by pressing the RESET button on the front panel.

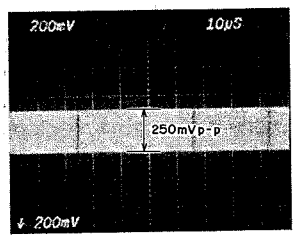
1. "REC" → "PB", SECAM colour bar signal
2. FL display & VR3.
3. • Record SECAM colour bar signal on the test tape (TF-553AT) and then play it back.
   • Observe the number which displayed on the minute part of the FL display.
   *Adjust the VR3 so that the number displayed on the FL display becomes "80".

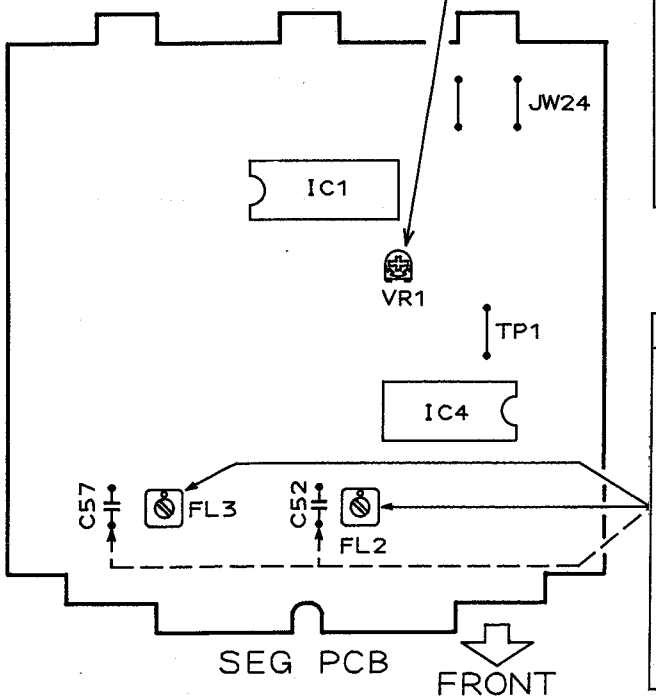


14 VIDEO REC CURRENT (SEG ONLY)

1. "REC", PAL color bar signal
2. P2 ①, ② pin (TP REC.CURR) & VR1 (REC-CHROMA), VR2 (REC-Y)
3. • Connect an oscilloscope's CH-1 to P2 ① pin and CH-2 to ② pin.
   • Set the oscilloscope' display mode to "ADD" mode and CH-2 polarity to "INVERTED".
   • Turn the VR2 on the PRE AMP PCB fully counter clockwise.
   *Adjust the VR1 so that the chroma REC current becomes 35 mVp-p as shown.
   • Input the SECAM colour bar signal and confirm that the chroma REC current becomes 65mVp-p.
   *Adjust the VR2 so that Y REC current becomes 250 mVp-p at the V-SYNC area.

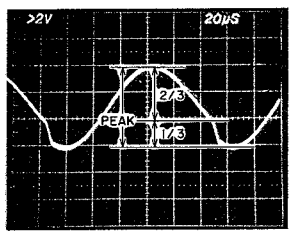






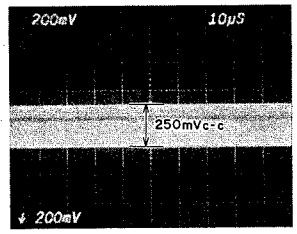
15 SECAM DETECTOR (SEG ONLY)

1. "E-E"(STOP mode), SECAM colour bar signal
2. C52, FL2. C57, FL3
3. • Connect an oscilloscope to the C52.
   *Adjust FL2 so that distorted point of the waveform becomes 1/3 from the bottom as shown.
   • Connect an oscilloscope to the C57.
   *Adjust FL3 so that distorted point of the waveform becomes 1/3 from the bottom as shown.



13 INTENSITE D'ENREGISTREMENT VIDEO (SAUF SEG)

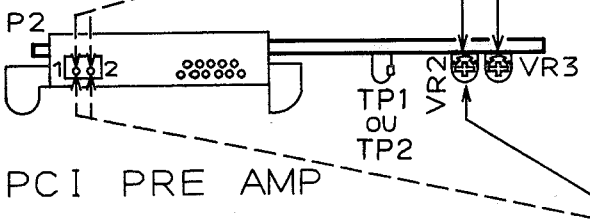
1. Enregistrement, signal de barre couleur SECAM
2. Broche ① et broche ② de P2 (TP REC. CURR) et VR2 (REC Y)
3. • Connecter CH-1 d'un oscilloscope à la broche ① de P2 et CH-2 à la broche ②.
   • Mettre l'oscilloscope en mode d'affichage "ADD" et inverser la polarité de CH-2 (INVERTED).
   *Régler VR2 de façon à ce que l'alimentation REC-Y soit de 250 mVc-c dans la région V-SYNC.



16 ENV. DET (I-HQ)

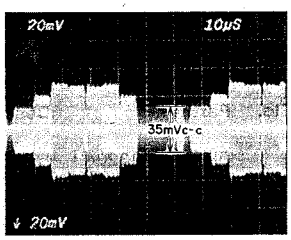
[Cet ajustage doit être effectue en mode TEST.]
Pour régler le magnétoscope en mode test (TEST MODE), appuyer sur la touche d'alimentation (POWER) et sur la touche d'ejection (EJECT) du panneau avant et les maintenir enfoncées, ensuite brancher le cordon d'alimentation secteur.
Le mode test (TEST MODE) peut être annulé en déconnectant le cordon d'alimentation secteur ou simplement en appuyant sur la touche de remise à zéro du système (SYSTEM RESET).

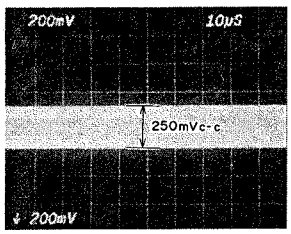
1. Enregistrement-Lecture (REC-PB), signal de barres couleur SECAM
2. Affichage fluorescent (FL) et VR3.
3. • Enregistrer le signal SECAM à barre en couleur sur la bande test (TF-553AF) et la lire ensuite.
   • Observer le numéro afiché sur la section des minutes de l'affichage fluorescent (FL).
   *Ajuster le VR3 de sorte sur le chiffre affiché sur l'affichage fluorescent (FL) soit 80.

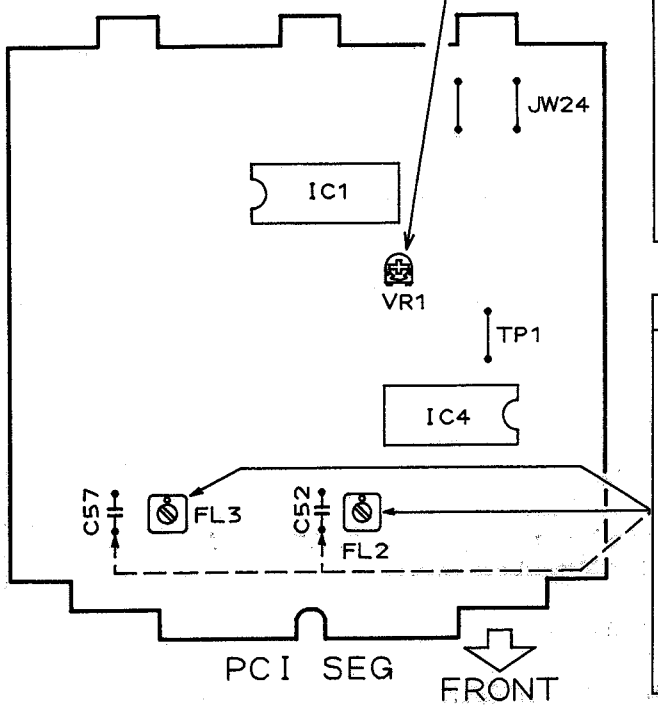


14 INTENSITE D'ENREGISTREMENT VIDEO (SEG UNIQUEMENT)

1. Enregistrement, signal de barre couleur PAL
2. Broche ① et broche ② de P2 (TP REC. CURR), VR1 (REC CHROMA) et VR2 (REC Y)
3. • Connecter CH-1 d'un oscilloscope à la broche ① de P2 et CH-2 à la broche ②.
   • Mettre l'oscilloscope en mode d'affichage "ADD" et inverser la polarité de CH-2 (INVERTED).
   • Tourner complètement dans le sens contraire des aiguilles d'une montre le VR2 du PCI préampli (PRE AMP PCB).
   *Régler VR1 de manière que l'intensité d'enregistrement REC CHROMA devienne 35 mVc-c comme illustré.
   • Appliquer un signal de barre couleur SECAM et confirmer que l'intensité d'enregistrement REC CHROMA est bien 65 ± 5 mVc-c.
   *Régler VR2 de manière que l'intensité d'enregistrement Y REC soit 250 mVc-c au niveau de V-SYNC.

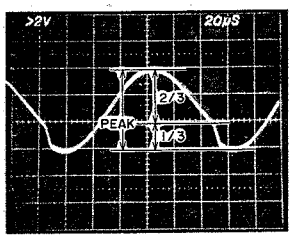






15 DETECTEUR SECAM (SEG UNIQUEMENT)

1. E-E (mode d'arrêt), signal de barres couleur SECAM
2. C52, FL2. C57, FL3
3. • Connecter un oscilloscope à C52.
   *Régler FL+ de façon à ce que le point de distorsion de la forme d'onde soit positionné à 1/3 de l'écran à partir du bas comme indiqué.
   • Connecter un oscilloscope à C57.
   *Régler FL3 de façon à ce que le point de distorsion de la forme d'onde soit positionné à 1/3 de l'écran à partir du bas comme indiqué.



VI. PARTS LIST

ATTENTION

1. **When placing an order for parts, be sure to list Part No., Model No. and the description of eachpart. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.**
2. **Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.**
3. **Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.**

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

2. HEAD BASE BLOCK

Ref.No.	Part No.	Description
1	BH-T2023A320A	HEAD BASE BLOCK
2	HP-H2206A010A	HEAD R/P PR4-8FU C
3	ZS-477876	PAN20×03STL CMT
4	ZS-536488	BID20×08STL CMT
5	ZG-402895	SP CS ANGLE ADJUST

SP (Service Parts) Classification

This number corresponds with the individual parts index number in that figure.

b) PC Board

6. MAIN PC BOARD

Ref.No.	Part No.	Description
IC1	EI-324536	IC HD14049BP
IC2	EI-336801	IC MB8841-564M
C1A	EC-338399	C MMY V 223M 250AC [U,E,B,S]
C1B	EC-350949	C MMY V 223M 250DC [J]
C1C	EC-338397	C MMY V 223M 125AC [C,A]
X1	EI-318384	OSC X'TAL NC-18C

Symbols for primary destination

[A] : AAL (U.S.A) [S] : SAA (Australia)
[B] : BEAB (England) [U] : U/T (Universal Area)
[C] : CSA (Canada)
[E] : CEE (Europe) [V] : VDE (Germany)
[J] : JPN (Japan) [Y] : Custom Version

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

The available PC Board Blocks are listed separately.

WARNING

⚠ (*) INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

AVERTISSEMENT

⚠ (*) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉDE L'APPAREIL, NE REMPLACER QUE DES PIÉCES RECOMMANDEES PAR LÉ FABRICANT.

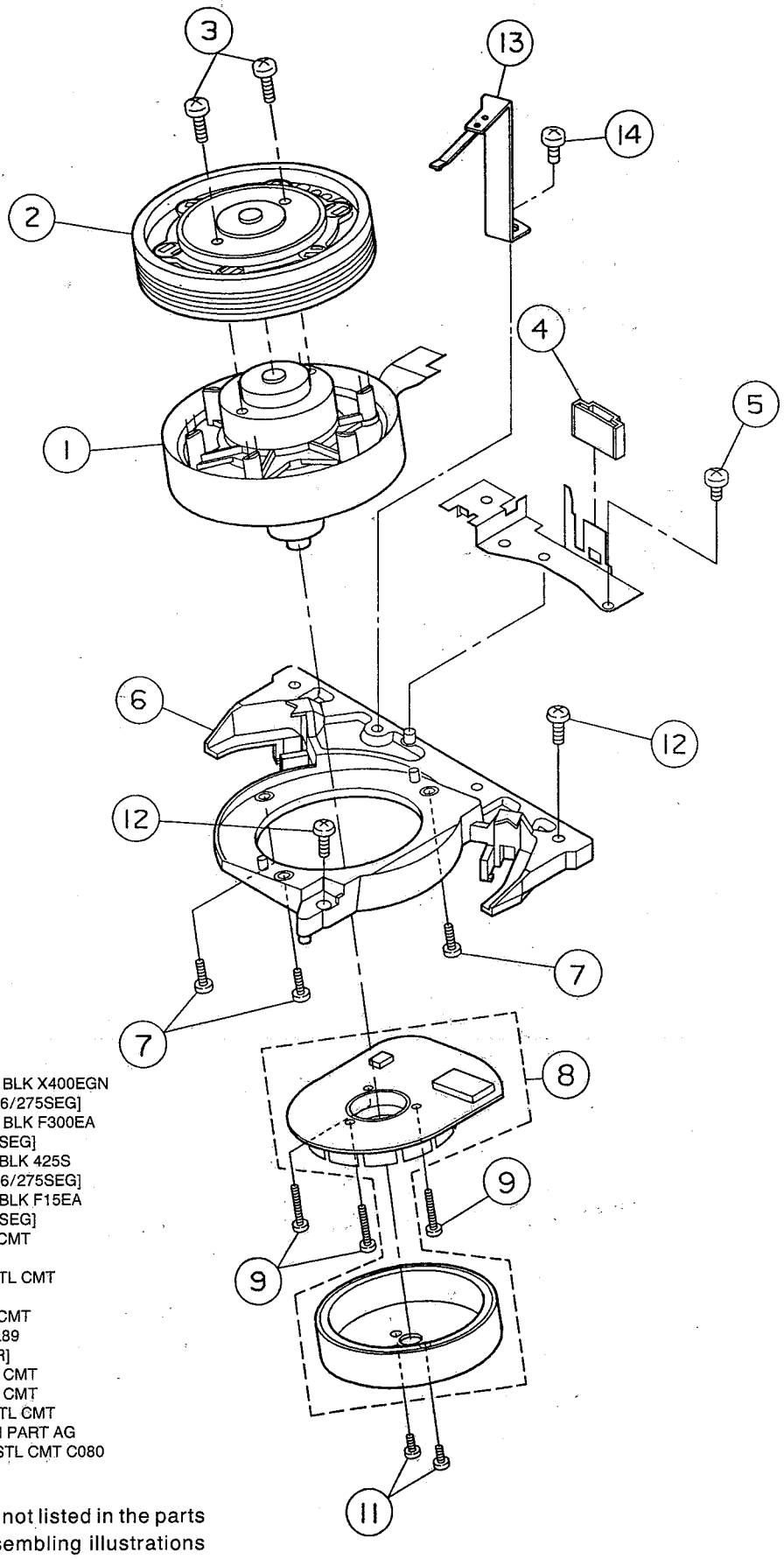
1.RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommended Spare Part items listed below since they can cover most of the routine service.

Ref.No.	Part No.	Description
1	AV-B1038A010B	REMOCON BLK RC-V250F [EXCEPT 275/375SEG]
2	AV-B1042A010B	REMOCON BLK RC-V252F [275/375SEG]
3	BB-V1130A020H	MECHA DECK BLK F260EA
4	BL-V1102A140A	ARM LOADING BLK 425EA
5	BL-V1102A050A	TENSION ARM BLK 425EA
6	BM-400682J1	MOTOR DFX-67B3VWB1 [CAPSTAN MOTOR]
7	BM-401296J	MOTOR E20EL89 [DRUM MOTOR]
8	BM-387503J	MOTOR PART [LOADING MOTOR]
9	*BT-403873J	TRANS POW V1130 EO [SK]
10	*BT-403883J	TRANS POW V1130 EOG-V [EXCEPT SK]
11	BV-V1102A150A	CASSETTE LOAD BLK 425EA
12	BV-V1102A070A	LEADER S BLK 425EA
13	BV-V1102A080A	LEADER T BLK 425EA
14	BV-V1123A410D	LOWER DRUM BLK F300EA [340S 345/375SEG]
15	BV-V1123A410A	LOWER DRUM BLK X400EGN [260SK 265/266/275SEG]
16	BV-390155J1	RF CONVERTER MDLK2R116B SK [SK]
17	BV-397392J	RF CONVERTER MDLK6F243A S [EXCEPT SK]
18	BV-V1102A420G	UPPER DRUM BLK F15EA [340S 345/375SEG]
19	BV-V1102A420B	UPPER DRUM BLK 425S [260SK 265/266/275SEG]
20	BV-403364J	VIF UNIT KX S
21	BV-403363J1	VIF UNIT KX SEG
22	BV-403362J1	VIF UNIT KX SK
23	EA-387496J	PC (#) SENSOR
24	EC-391843J	C DOUBLE FYDOH 223Z 5.5DC
25	EC-729778J	C S-FIX H TZ03T110FR
26	EC-729779J	C S-FIX H TZ03T200FR
27	EC-394757J	C S-FIX H T05 VCT51F 5.5-30
28	ED-390011J	D LED GL451 INFRARED [D1]
29	ED-390012J	D LED GL4800 INFRARED [D2]
30	ED-403450J	D LED SE303ARF-C INFRARED
31	*ED-386226J	D SCHOTTKY RB100AT-32T26 40/1
32	ED-729782J	D SILICON CHIP HSM2693
33	ED-729989J	D SILICON CHIP HSM2694
34	ED-729781J	D SILICON CHIP HSR277
35	ED-730115J	D SILICON CHIP MC2836
36	ED-724694J	D SILICON CHIP MC2838
37	*ED-379298	D SILICON DBA20B 100/2.0A
38	ED-307572	D SILICON H 1SS131
39	ED-511907	D SILICON 1N4002 100/1.0A
40	ED-391005J	D ZENER H HZS12B1
41	ED-396057J	D ZENER H HZS16-2
42	ED-396060J	D ZENER H HZS18-2
43	ED-397233J	D ZENER H HZS5C3
44	ED-387919J	D ZENER H HZS6A1L
45	ED-405373J	D ZENER H MTZJ16A T26
46	ED-403267J	D ZENER H MTZJ3.3B T26
47	ED-405524J	D ZENER H MTZJ36A T26
48	ED-405604J	D ZENER H MTZJ4.3C T26
49	ED-405605J	D ZENER H MTZJ9.1C T26
50	ED-403724J	D ZENER H UTZJ10A
51	*ED-404029J	D ZENER H UTZJ10B T26
52	ED-405264J	D ZENER H UTZJ10C
53	ED-404032J	D ZENER H UTZJ39A
54	ED-403729J	D ZENER H UTZJ5.6C [340S 345/375SEG]
55	ED-403278J	D ZENER H UTZJ7.5B
56	ED-404086J	D ZENER H UTZJ7.5C
57	ED-403279J	D ZENER H UTZJ9.1B
58	EE-408471J	TV TUNER ENV-77890F2 SK [SK]
59	EE-400753J	TV TUNER TERQ1-009A SEG [EXCEPT SK]
60	EH-383083J	COMP R RGLE3X 103J
61	EH-403945J	COMP R RGLE9X 103J
62	EH-390730J	DL EFD-JF124A13J
63	EH-729774J	FILTER CE SAF32.7MW70Z
64	EH-366894	FILTER CE SFE-4.16MB 4.16MHZ
65	EH-370812	FILTER CE SFE4.5MB
66	EH-373920	FILTER CE SFE5.5MB
67	EH-373921	FILTER CE SFE6.0MB
68	EH-358973	FILTER CE SFE6.5MB 6.500MC
69	EH-368948	FILTER CE TPS5.5MW 5.5000MHZ
70	EH-373919	FILTER CE TPS6.0MB
71	EH-376338	FILTER CE TPS6.5MB [EXCEPT SK]
72	EH-367043	FILTER LC BP H289BNKN-7235LHD
73	EH-389200J	FILTER LC BP SBP-4425-107M
74	EH-405212J	FILTER LC BP TYV-358
75	EH-364045	FILTER LC FF-78P
76	EH-364066	FILTER LC LP H322LWQ-1166MAD [EXCEPT SEG]
77	EH-368821	FILTER LC LP MYV-23R
78	EH-402170J	FILTER LC LP SEL-5065
79	EH-714629	FILTER SAW SAF38.0MZ70Z
80	EH-711868	FILTER SAW SAF39.2MB51P
81	EI-729777J	CERA LOCK CSB500F9
82	EI-396454J	IC AN3267K
83	EI-373980	IC BA15218N
84	*EI-381575J	IC BA6121
85	EI-353421	IC BA6229
86	EI-366892	IC BA7025L
87	EI-372243	IC BA7107S
88	EI-387586J	IC BA7244BS
89	EI-388360J	IC BA7765AS
90	EI-394839J	IC LA7332
91	EI-403250J	IC LA7376
92	EI-394951J	IC LB1215
93	EI-388885J	IC LVA519S-2
94	EI-389622J	IC L5631
95	EI-408422J1	IC MN675121 XAW2 KBXSYS3 [260SK 265/266/275SEG]
96	EI-408849J	IC MN675201 XDL JFLSYP1 [340S 345/375SEG]
97	EI-373966	IC MSM6965-3RS
98	EI-408408J1	IC M50933-128FP JXLCDR2
99	EI-729775J	IC M51419ASP
100	EI-368809	IC M51496P
101	EI-400756J	IC NJM4558L-B
102	EI-201940	IC NJM4558S
103	EI-400672J	IC S-8052ALB-LE
104	EI-373955	IC S-8053ALR
105	EI-408393J	IC ST24C01B1
106	EI-714602	IC TA7337P
107	EI-715731	IC TA7718P
108	EI-332259	IC TC4052BP
109	EI-200573	IC TC4053BP
110	EI-405722J	IC UPD6450CX-515
111	EI-408392J	IC UPD75217CW-145 JBXOPOS1
112	EI-403451J	OSC CE CSB1200J 1.200MHZ
113	EI-373957J1	OSC CE CST4.19MGW 4.194MHZ
114	EI-389974J	OSC X'TAL HC-49/U 17.734475MHZ
115	EI-389640J	OSC X'TAL HC-49/U 8000KHZ
116	EI-394673J	OSC X'TAL HC-49/U 8867.238KHZ
117	EI-368825	OSC X'TAL MX-38T 32.768KHZ
118	EI-381632J	OSC X'TAL 86686 4.433619MHZ
119	EJ-389864J	SOCKET M1817 21P
120	EJ-389915J	SOCKET M1817-A 21P
121	EM-401078J	IND FL FV516G CHARACTER
122	EO-380091J1	COIL FIX 2 C-5293-01 560K
123	EO-388362J	COIL OSC 1 V1102
124	EO-364063	COIL VARI 1 F291CNS-0665BS
125	EO-364062	COIL VARI 1 F291CNS-0666GW
126	EO-366893	COIL VARI 1 21D6 8.20MH
127	*ER-400959J	R FUSE V T05 ERD2FCV 1/4W1200G
128	*ER-400605J	R FUSE V T05 ERD2FCV 1/4W15R0G
129	*ER-400728J	R FUSE V T05 RF25SCVTP1/4WR12K
130	*ER-405441J	R FUSE V T05 RF25SCVTP1/4WR27K
131	*ER-400729J	R FUSE V T05 RF25SCVTP1/4WR47K
132	*ER-404093J	R FUSE V T05 RF25SCVTP1/4WR56K
133	*ER-400689J	R FUSE V T05 RF25SCVTP1/4WR68K

Ref.No.	Part No.	Description
134	*ER-408375J	R FUSE V T05RF25SCPVTP1/4WR12K
135	ER-403405J	R OMF H S12 FS 1W R75J
136	ER-333091	R OMF H S20 FS 2W 360J
137	ES-373099	SW LEAF MTS10110MPC1
138	ES-387465J	SW MODE SELECT MMS00070ZLBO [SW1]
139	ES-408404J	SW TACT EVQ 235 07K T05 [EXCEPT 275SEG]
140	ES-408405J	SW TACT EVQ 235 09K T05 [275SEG]
141	ES-349474	SW TACT SKHHAM004A
142	ET-381637J2	DETECTOR GP1U521X
143	ET-732638J	TR CHIP DTC144EK
144	ET-713614	TR CHIP 2SA1235 E,F
145	ET-725820J	TR CHIP 2SC2735J
146	ET-356336	TR DTA114ES
147	ET-354415	TR DTA144ES
148	ET-373985	TR DTA144TS
149	ET-353897	TR DTC114ES
150	ET-360399	TR DTC114TS
151	ET-394881J	TR DTC114WS
152	ET-401247J	TR DTC123YS
153	ET-364060	TR DTC143ES
154	ET-354364	TR DTC143TS [SEG]
155	ET-354414	TR DTC144ES
156	ET-361490	TR PHOTO PN268 [TR1]
157	ET-390010J	TR PHOTO PT4800 [TR2]
158	ET-390009J	TR PHOTO PT493F [TR4]
159	ET-364064	TR UN4119
160	ET-364040	TR UN421D
161	ET-730419J	TR 2SA1235 E,F
162	ET-353899	TR 2SA1317 S,T,U
163	ET-389803J	TR 2SA933S R,S
164	*ET-366365	TR 2SB1185 E,F
165	ET-388338J	TR 2SB1425 S,E
166	ET-356817	TR 2SB891 Q,R
167	ET-400218J	TR 2SC1740S R,S
168	ET-375777	TR 2SC2926S P,Q
169	ET-397160J	TR 2SC3330 R,S,T,U,V
170	*ET-404195J	TR 2SC4486 S,T T05
171	*ET-381175J	TR 2SD1856
172	ET-405622J	TR 2SD2061 E,F
173	ET-396072J	TR 2SD2159 V,W [EXCEPT SK]
174	ET-370819	TR.CHIP 2SC3052
175	ET-390826J	TR.CHIP 2SD1619 T,U TC T08
176	HE-390013J	HEAD E HVFME0020A
177	HR-405340J	HEAD COMBO HVMZA1121A
178	MB-387289J	BELT CAPSTAN
179	MI-387294J	IDLER PART
180	ML-391745J3	ARM DAMPER
181	ML-387350J1	ARM LID OPENER
182	ML-387423J	ARM LOADING BRAKE
183	ML-387277J3	ARM REVIEW PART
184	ML-387402J1	LEVER TRIGGER
185	ML-387316J	MAIN BRAKE (S) PART
186	ML-387318J	MAIN BRAKE (T) PART
187	ML-387321J	REVIEW BRAKE PART
188	ML-387324J1	SLIDER BRAKE PART
189	ML-404944J	SLIDER TRIGGER (2)
190	MP-404852J	PINCH ROLLER (2) PART
191	MR-387406J	HOLDER THRUST WORM
192	MR-391968J	PULLEY TRIGGER (2)
193	MR-387286J1	ROLLER IMPEDANCE
194	MT-390954J1	DISK (2) PART
195	MZ-387298J3	DISK CLUTCH PART
196	MZ-387331J	GEAR CAM SLIDER
197	MZ-387335J	GEAR EJECT
198	MZ-387333J	GEAR FRONT LOADING
199	MZ-V1102A090A	GEAR TOGGLE (S) BLK 425EA
200	MZ-V1102A100A	GEAR TOGGLE (T) BLK 425EA
201	MZ-387332J	GEAR WORM WHEEL

HEAD DRUM BLOCK

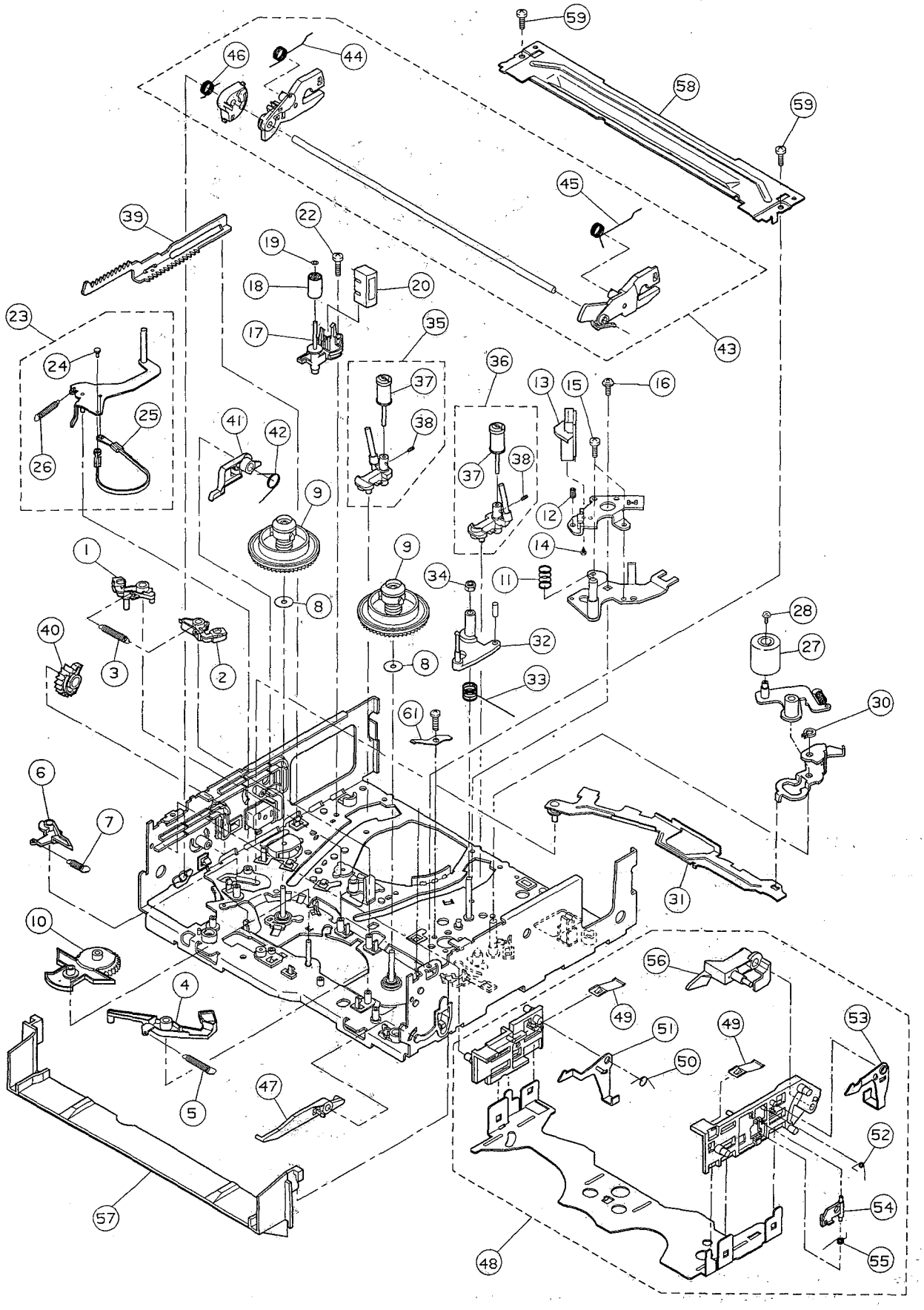


2. HEAD DRUM BLOCK

Ref.No.	Part No.	Description
1A	BV-V1123A410A	LOWER DRUM BLK X400EGN [260SK 265/266/275SEG]
1B	BV-V1123A410D	LOWER DRUM BLK F300EA [340S 345/375SEG]
2A	BV-V1102A420B	UPPER DRUM BLK 425S [260SK 265/266/275SEG]
2B	BV-V1102A420G	UPPER DRUM BLK F15EA [340S 345/375SEG]
3	ZS-321298	BID30X08STL CMT
4	SZ-387388J	HOLDER FPC
5	ZS-358936	ST BID30X06STL CMT
6	MA-387474J3	BASE DRUM
7	ZS-563444	BID26X08STL CMT
8	BM-401296J	MOTOR E20EL89 [DRUM MOTOR]
9	ZS-467796	PAN26X12STL CMT
11	ZS-379350	PAN30X06STL CMT
12	ZS-336714	ST BID30X12STL CMT
13	VT-401282J	EARTH BRUSH PART AG
14	ZS-344754	ST PAN30X06STL CMT C080

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

MECHA BLOCK (1)

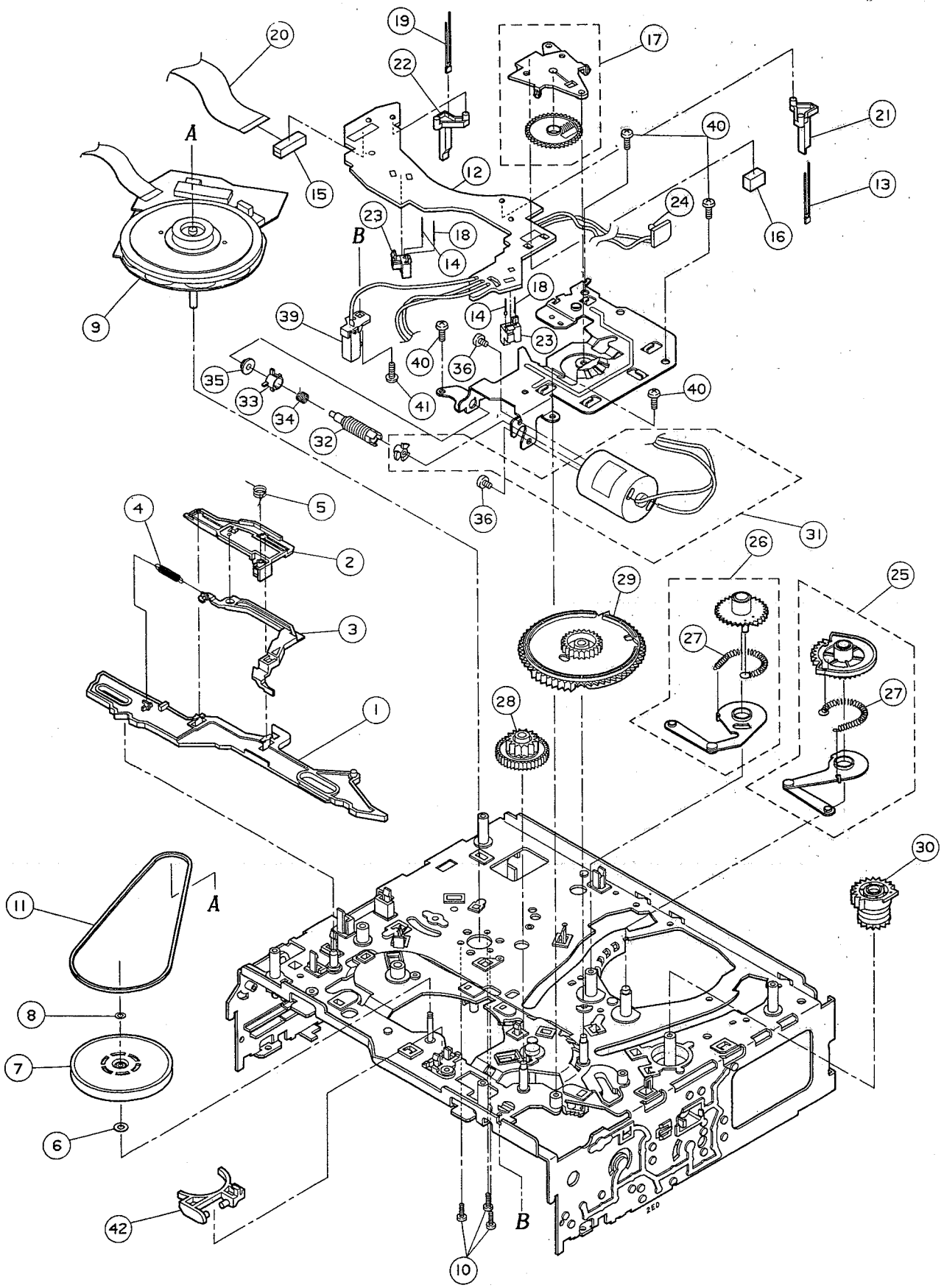


3. MECHA BLOCK (1)

Ref.No.	Part No.	Description
1	ML-387316J	MAIN BRAKE (S) PART
2	ML-387318J	MAIN BRAKE (T) PART
3	ZG-387320J	SP PULL MAIN BRAKE
4	ML-387321J	REVIEW BRAKE PART
5	ZG-387323J	SP PULL REVIEW BRAKE
6	ML-387423J	ARM LOADING BRAKE
7	ZG-387467J	SP PULL LOADING BRAKE
8	ZW-389814J	PW31X110X050PSL
9	MT-390954J1	DISK (2) PART
10	MI-387294J	IDLER PART
11	ZG-387438J1	SP PUSH A/C
12	ZG-373900	6SET30X080SCM PKR CP
13	HR-405340J	HEAD COMBO HVMZA1121A
14	ZS-404844J	PAN20X02STL BZN PS1
15	ZS-321298	BID30X08STL CMT
16	ZS-344754	ST PAN30X06STL CMT C080
17	MZ-402760J1	(HOLDER FE HEAD PART B)
18	MR-387286J1	ROLLER IMPEDANCE
19	ZW-374445	SLIT W17X032X025PSL
20	HE-390013J	HEAD E HVFME0020A
22	ZS-336714	ST BID30X12STL CMT
23	BL-V1102A050A	TENSION ARM BLK 425EA
24	SZ-407187J2	HOLDER LEVER TENSION (2)
25	ML-390768J4	TENSION BAND PART
26	ZG-387272J	SP PULL TENSION
27	MP-404852J	PINCH ROLLER (2) PART
28	ZS-464703	BID20X04STL CMT
30	ZW-332843	RETAINING RING GRIP 380STL ACP
31	ML-387431J1	SLIDER PINCH PART
32	ML-387277J3	ARM REVIEW PART
33	ZG-387282J	SP TORSION REVIEW
34	ZW-401776J	NUT REVIEW
35	BV-V1102A070A	LEADER S BLK 425EA
36	BV-V1102A080A	LEADER T BLK 425EA
37	VT-387394J1	GUIDE ROLLER D8 PART
38	ZS-374458	6SET20X030SCM PKR FP
39	ML-387428J	SLIDER FRONT LOADING
40	MZ-387335J	GEAR EJECT
41	ML-391745J3	ARM DAMPER
42	ZG-395567J	SP TORSION ARM DAMPER
43	BL-V1102A140A	ARM LOADING BLK 425EA
44	ZG-387417J	SP TORSION LOAD (S)
45	ZG-387418J	SP TORSION LOAD(T)
46	ZG-392831J	SP TORSION JOINT(2)
47	ML-387350J1	ARM LID OPENER
48	BV-V1102A150A	CASSETTE LOAD BLK 425EA
49	ZG-387348J1	SP PLATE HOLDER
50	ZG-387421J	SP TORSION DAMPER (S)
51	ML-387345J	LEVER DAMPER (S)
52	ZG-388290J1	SP TORSION DAMPER (T)
53	ML-387346J	LEVER DAMPER (T)
54	ML-387344J	LEVER LOCK RELEASE
55	ZG-387420J1	SP TORSION RELEASE
56	ML-387349J2	ARM SHUTTER
57	SE-395554J	GUIDE FRONT (2)
58	MZ-406134J	PLATE UPPER (2)
59	ZS-358936	ST BID30X06STL CMT
61	ZG-392294J	SP PLATE EARTH
64	BB-V1130A020H	MECHA DECK BLK F260EA

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

MECHA BLOCK (2)



4. MECHA BLOCK (2)

Ref.No.	Part No.	Description
1	ML-387324J1	SLIDER BRAKE PART
2	ML-404944J	SLIDER TRIGGER (2)
3	ML-387402J1	LEVER TRIGGER
4	ZG-387468J	SP PULL SLIDER
5	ZG-387403J	SP TORSION COUPLING
6	ZW-389923J	PW26X060X050PSL
7	MZ-387298J3	DISK CLUTCH PART
8	ZW-387492J	SLIT W21X040X050PSL
9	BM-400682J1	MOTOR DFX-67B3VWB1 [CAPSTAN MOTOR]
10	ZS-365149	PT BID26X06STL CMT
11	MB-387289J	BELT CAPSTAN
12	EA-387496J	PC (#)SENSOR
13	ED-390011J	D LED GL451 INFRARED [D1]
14	ED-390012J	D LED GL4800 INFRARED [D2]
15	EJ-387497J	SOCKET HOUSING 5062-30-10-13 [PS1]
16	EJ-381837J	SOCKET 174074-5 5P [P1]
17	ES-387465J	SW MODE SELECT MMS00070ZLBO [SW1]
18	ET-390010J	TR PHOTO PT4800 [TR2]
19	ET-390009J	TR PHOTO PT493F [TR4]
20	EW-389313J	CORD FFC P1.25 L=120 13P [WP1]
21	MZ-387430J	HOLDER D-LED
22	MZ-387445J	HOLDER S SENSOR
23	MZ-387446J	HOLDER PHOTO SENSOR
24	ET-361490	TR PHOTO PN268 [TR1]
25	MZ-V1102A090A	GEAR TOGGLE (S) BLK 425EA
26	MZ-V1102A100A	GEAR TOGGLE (T) BLK 425EA
27	ZG-387413J1	SP PULL TOGGLE
28	MZ-387332J	GEAR WORM WHEEL
29	MZ-387331J	GEAR CAM SLIDER
30	MZ-387333J	GEAR FRONT LOADING
31	BM-387503J	MOTOR PART [LOADING MOTOR]
32	MZ-387330J	GEAR WORM PART
33	MR-391968J	PULLEY TRIGGER (2)
34	ZG-387443J	SP TRIGGER
35	MR-387406J	HOLDER THRUST WORM
36	ZS-425981	BID30X03STL CMT
39	ES-373099	SW LEAF MTS10110MPC1
40	ZS-389950J	PT BID26X10STL CMT
41	ZS-358936	ST BID30X06STL CMT
42	ML-387311J2	ARM COUPLING

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

5. P.C BOARD BLK

Ref.No.	Part No.	Description
1A	BA-V1131Q600B	FR PC (#) MAIN (S) BLK F220SEG/FR [265/266/275SEG]
1B	BA-V1131A600M	PC (#) MAIN (SECAM) BLK F260SK [SK]
1C	BA-V1149Q600A	FR PC (#) MAIN (S) BLK F340S/FR [S]
1D	BA-V1149Q600B	FR PC (#) MAIN (S) BLK F345SEG/FR [345/375SEG]
2A	BA-V1130A610E	PC PRE AMP BLK F200S [SK]
2B	BA-V1130Q610F	FR PC PRE AMP BLK F220SEG/FR [265/266/275SEG]
2C	BA-V1132A610D	PC PRE AMP BLK F300S [S]
2D	BA-V1132Q610E	FR PC PRE AMP BLK F320SEG/FR [345/375SEG]
3A	BA-V1146Q635D	FRPC OPERATION (A) BLK F265SEG/FR [265/266SEG]
3B	BA-V1146Q635E	FRPC OPERATION (A) BLK F275SEG/FR [275SEG]
3C	BA-V1146A635F	PC OPERATION (A) BLK F260SK [SK]
3D	BA-V1146Q635H	FRPC OPERATION (A) BLK F340S/FR [S]
3E	BA-V1146Q635J	FRPC OPERATION (A) BLK F345SEG/FR [345/375SEG]
4A	BA-V1135A500B	PC (#) POWER EOG BLK F200S [EXCEPT SK]
4B	BA-V1132A500A	PC (#) POWER EO BLK F200EO [SK]
5A	BA-V1131A760A	PC (#) CANAL PLUS BLK F200S [EXCEPT SK]
5B	BA-V1131A760B	PC (#) CANAL PLUS BLK F300SK [SK]
6A	BA-V1131Q750A	FR PC SEG BLK F220SEG/FR [265/266/275SEG]
6B	BA-V1131A750B	PC SEG BLK F320SEG [345/375SEG]

PC (#) MAIN BLK CONSISTS OF FOLLOWING P.C BOARD.
- MAIN (A) P.C BOARD
- MAIN (B) P.C BOARD

PC (#) POWER EOG BLK CONSISTS OF FOLLOWING P.C BOARD.
- POWER (1) P.C BOARD
- POWER (2) P.C BOARD
- DIODE P.C BOARD

PC (#) POWER EO BLK CONSISTS OF FOLLOWING P.C BOARD.
- POWER P.C BOARD
- DIODE P.C BOARD

PC (#) CANAL PLUS BLK CONSISTS OF FOLLOWING P.C BOARD.
- CANAL PLUS (A) P.C BOARD
- CANAL PLUS (B) P.C BOARD
- DIODE P.C BOARD

6. MAIN (A) P.C BOARD

Ref.No.	Part No.	Description
C369	EC-391843J	C DOUBLE FYDOH 223Z 5.5DC
CF1	EH-376338	FILTER CE TPS6.5MB [EXCEPT SK]
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
D3	ED-307572	D SILICON H 1SS131
D4	ED-307572	D SILICON H 1SS131
D5	ED-307572	D SILICON H 1SS131
D6	ED-307572	D SILICON H 1SS131
D7	ED-307572	D SILICON H 1SS131
D8	ED-387919J	D ZENER H HZS6A1L
D9	ED-405605J	D ZENER H MTZJ9.1C T26
D10	ED-307572	D SILICON H 1SS131
D11	ED-405604J	D ZENER H MTZJ4.3C T26
D104	ED-307572	D SILICON H 1SS131
D105	ED-307572	D SILICON H 1SS131
D106	ED-307572	D SILICON H 1SS131
D201	ED-307572	D SILICON H 1SS131
D202	ED-307572	D SILICON H 1SS131
D203	ED-307572	D SILICON H 1SS131
D204	ED-397233J	D ZENER H HZS5C3
D205	ED-403267J	D ZENER H MTZJ3.3B T26
D208	ED-307572	D SILICON H 1SS131
D209	ED-307572	D SILICON H 1SS131
D212	ED-511907	D SILICON 1N4002 100/1.0A
D213	ED-511907	D SILICON 1N4002 100/1.0A
D301	ED-307572	D SILICON H 1SS131
D302	ED-307572	D SILICON H 1SS131
D303	ED-404086J	D ZENER H UTZJ7.5C
D304	ED-403724J	D ZENER H UTZJ10A
D305	ED-307572	D SILICON H 1SS131
D306	ED-307572	D SILICON H 1SS131
D307	ED-307572	D SILICON H 1SS131
D308	ED-307572	D SILICON H 1SS131
D309	ED-307572	D SILICON H 1SS131
D401	ED-307572	D SILICON H 1SS131
D404	ED-307572	D SILICON H 1SS131
D405	ED-307572	D SILICON H 1SS131
D406	ED-307572	D SILICON H 1SS131
D480	ED-403729J	D ZENER H UTZJ5.6C [340S 345/375SEG]
D481	ED-307572	D SILICON H 1SS131
D482	ED-307572	D SILICON H 1SS131 [SEG]
D601	ED-307572	D SILICON H 1SS131
D602	ED-307572	D SILICON H 1SS131
FL401	EH-364066	FILTER LC LP H322LWQ-1166MAD [EXCEPT SEG]
FL402	EH-368821	FILTER LC LP MYV-23R
FR201	*ER-400959J	R FUSE V T05 ERD2FCV 1/4W1200G
FR350	*ER-400729J	R FUSE V T05 RF25SCVTP1/4WR47K
FR401	*ER-404093J	R FUSE V T05 RF25SCVTP1/4WR56K
IC1	EI-389622J	IC L5631
IC201	EI-400756J	IC NJM4558L-B
IC301A	EI-408422J1	IC MN675121 XAW2 KBXSYS3 [260SK 265/266/275SEG]
IC301B	EI-408849J	IC MN675201 XDL JFLSYP1 [340S 345/375SEG]
IC302	EI-353421	IC BA6229
IC303	EI-373980	IC BA15218N
IC401	EI-396454J	IC AN3267K
IC402	EI-373966	IC MSM6965-3RS
IC601	EI-405722J	IC UPD6450CX-515
IC602	EI-388885J	IC LVA519S-2
L1A	EO-373260	COIL FIX 1 LAP02 F05 1R0K [S]
L1B	EO-368617	COIL FIX 1 LAP02 F05 1R5K [SK]
L2	EO-351862	COIL FIX 1 LAP02 F05 100K [EXCCEPT SK]
L101	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L301	EO-381196J	COIL FIX 1 EL0405SKI 470K
L302	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L401	EO-351868	COIL FIX 1 LAP02 F05 470K
L402	EO-357507	COIL FIX 1 LAP02 F05 121K [S/SK]
L403	EO-357507	COIL FIX 1 LAP02 F05 121K [S/SK]
L404	EO-357508	COIL FIX 1 LAP02 F05 151K
L405	EO-351862	COIL FIX 1 LAP02 F05 100K

Ref.No.	Part No.	Description
L406	EO-354600	COIL FIX 1 LAP02 F05 101K [340S 345/375SEG]
L407	EO-360555	COIL FIX 1 LAP02 F05 180K
L408	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L409	EO-387782J	COIL FIX 1 EL0405SKI 2R2K
L410	EO-354600	COIL FIX 1 LAP02 F05 101K
L412	EO-387782J	COIL FIX 1 EL0405SKI 2R2K
L481	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L601	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L602	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L603	EO-351866	COIL FIX 1 LAP02 F05 330K
L604	EO-351866	COIL FIX 1 LAP02 F05 330K
L650	EO-403270J	COIL FIX 1 EL0405RA T05 101J
R214	ER-403405J	R OMF H S12 FS 1W R75J
TR1	ET-353899	TR 2SA1317 S,T,U
TR2	ET-354414	TR DTC144ES
TR3	ET-354415	TR DTA144ES
TR4	ET-375777	TR 2SC2926S P,Q
TR5	ET-354414	TR DTC144ES
TR6	ET-388338J	TR 2SB1425 S,E
TR7	ET-353899	TR 2SA1317 S,T,U
TR8	ET-353899	TR 2SA1317 S,T,U
TR9	ET-353899	TR 2SA1317 S,T,U
TR10	ET-354414	TR DTC144ES
TR11	ET-354414	TR DTC144ES
TR12	ET-353899	TR 2SA1317 S,T,U
TR13	ET-397160J	TR 2SC3330 R,S,T,U,V
TR14	ET-353899	TR 2SA1317 S,T,U
TR15	ET-353897	TR DTC114ES
TR16	ET-397160J	TR 2SC3330 R,S,T,U,V
TR17	ET-397160J	TR 2SC3330 R,S,T,U,V
TR18	ET-396072J	TR 2SD2159 V,W [EXCEPT SK]
TR19	ET-405622J	TR 2SD2061 E,F
TR20	ET-353899	TR 2SA1317 S,T,U
TR21	ET-396072J	TR 2SD2159 V,W
TR101	ET-397160J	TR 2SC3330 R,S,T,U,V
TR102	ET-353899	TR 2SA1317 S,T,U
TR103	ET-397160J	TR 2SC3330 R,S,T,U,V
TR104	ET-354414	TR DTC144ES
TR105	ET-394881J	TR DTC114WS
TR106	ET-354414	TR DTC144ES
TR107	ET-394881J	TR DTC114WS
TR202	ET-356336	TR DTA114ES
TR203	ET-397160J	TR 2SC3330 R,S,T,U,V
TR205	ET-388338J	TR 2SB1425 S,E
TR210	ET-405622J	TR 2SD2061 E,F
TR301	ET-354414	TR DTC144ES
TR302	ET-397160J	TR 2SC3330 R,S,T,U,V
TR304	ET-354415	TR DTA144ES
TR305	ET-354414	TR DTC144ES [340S 345/375SEG]
TR306	ET-354414	TR DTC144ES
TR307	ET-373985	TR DTA144TS
TR308	ET-373985	TR DTA144TS
TR309	ET-373985	TR DTA144TS
TR310	ET-354414	TR DTC144ES
TR312	ET-354415	TR DTA144ES [260SK 265/266/275SEG]
TR401	ET-397160J	TR 2SC3330 R,S,T,U,V
TR402	ET-353899	TR 2SA1317 S,T,U
TR403	ET-354414	TR DTC144ES
TR404	ET-353899	TR 2SA1317 S,T,U [S/SK]
TR405	ET-353899	TR 2SA1317 S,T,U [SEG]
TR406	ET-353899	TR 2SA1317 S,T,U
TR407	ET-354415	TR DTA144ES
TR408	ET-354414	TR DTC144ES
TR410	ET-364040	TR UN421D
TR411	ET-360399	TR DTC114TS
TR413	ET-354414	TR DTC144ES
TR481	ET-388338J	TR 2SB1425 S,E [340S 345/375SEG]
TR482	ET-354415	TR DTA144ES
TR483	ET-388338J	TR 2SB1425 S,E
TR484	ET-353899	TR 2SA1317 S,T,U
TR485	ET-360399	TR DTC114TS
TR486	ET-364060	TR DTC143ES
TR487	ET-397160J	TR 2SC3330 R,S,T,U,V
TR601	ET-353899	TR 2SA1317 S,T,U
TR603	ET-397160J	TR 2SC3330 R,S,T,U,V
TR604	ET-397160J	TR 2SC3330 R,S,T,U,V
TR605	ET-356336	TR DTA114ES
TR606	ET-356336	TR DTA114ES
TR607	ET-354414	TR DTC144ES
TR695	ET-353899	TR 2SA1317 S,T,U
VC614	EC-394757J	C S-FIX H T05 VCT51F 5.5-30
VR301	EV-405665J	R S-FIX H T05 KVSF637T 0.1W333
VR401	EV-404297J	R S-FIX H T05 KVSF637T 0.1W153
VR402	EV-405657J	R S-FIX H T05 KVSF637T 0.1W103
VR403	EV-404300J	R S-FIX H T05 KVSF637T 0.1W472
VR404	EV-405659J	R S-FIX H T05 KVSF637T 0.1W682
VR405	EV-404299J	R S-FIX H T05 KVSF637T 0.1W332
VR406	EV-405657J	R S-FIX H T05 KVSF637T 0.1W103
VR650	EV-404300J	R S-FIX H T05 KVSF637T 0.1W472
WF201A	EW-404138J1	CORD KX MA-POW L=225 12P [EXCEPT SK]
WF201B	EW-404137J	CORD KX MA-POW L=280 12P [SK]
X301	EI-389640J	OSC X'TAL HC-49/U 8000KHZ
X601	EI-389974J	OSC X'TAL HC-49/U 17.734475MHZ
1A	BV-397392J	RF CONVERTER MDLK6F243A S [EXCEPT SK]
1B	BV-390155J1	RF CONVERTER MDLK2R116B SK [SK]
2A	EE-400753J	TV TUNER TERQ1-009A SEG [EXCEPT SK]
2B	EE-408471J	TV TUNER ENV-77890F2 SK [SK]
3A	BV-403364J	VIF UNIT KX S
3B	BV-403363J1	VIF UNIT KX SEG
3C	BV-403362J1	VIF UNIT KX SK

7. MAIN (B) P.C BOARD

Ref.No.	Part No.	Description
D501	ED-307572	D SILICON H 1SS131
D502	ED-307572	D SILICON H 1SS131 [S/SK]
D504	ED-307572	D SILICON H 1SS131
D505	ED-307572	D SILICON H 1SS131
D701	ED-307572	D SILICON H 1SS131
D702	ED-307572	D SILICON H 1SS131
D703	ED-307572	D SILICON H 1SS131
D704	ED-307572	D SILICON H 1SS131
D801	ED-307572	D SILICON H 1SS131
FL501	EH-389200J	FILTER LC BP SBP-4425-107M
FL502	EH-405212J	FILTER LC BP TYV-358
FL503	EH-367043	FILTER LC BP H289BNKN-7235LHD
FL801	EO-388362J	COIL OSC 1 V1102
L501	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L502	EO-353900	COIL FIX 1 LAP02 F05 150K
L503	EO-357508	COIL FIX 1 LAP02 F05 151K
L504	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L505	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L580	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L701	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L801	EO-390717J	COIL FIX 1 LHL06TB T05 103J
L802	EO-390716J	COIL FIX 1 LHL06TB T05 272J
IC501	EI-372243	IC BA7107S
IC701	EI-201940	IC NJM4558S
IC702	EI-394951J	IC LB1215
IC801	EI-388360J	IC BA7765AS
TR501	ET-353899	TR 2SA1317 S,T,U
TR502	ET-397160J	TR 2SC3330 R,S,T,U,V [SEG]
TR503	ET-354414	TR DTC144ES [S/SK]
TR504	ET-354414	TR DTC144ES
TR505	ET-397160J	TR 2SC3330 R,S,T,U,V
TR506	ET-397160J	TR 2SC3330 R,S,T,U,V
TR507	ET-397160J	TR 2SC3330 R,S,T,U,V [SEG]
TR508	ET-364064	TR UN4119
TR509	ET-354415	TR DTA144ES
TR510	ET-397160J	TR 2SC3330 R,S,T,U,V
TR511	ET-356336	TR DTA114ES
TR580	ET-353899	TR 2SA1317 S,T,U
TR581	ET-397160J	TR 2SC3330 R,S,T,U,V
TR701	ET-397160J	TR 2SC3330 R,S,T,U,V
TR702	ET-397160J	TR 2SC3330 R,S,T,U,V
TR703	ET-354414	TR DTC144ES
TR704	ET-397160J	TR 2SC3330 R,S,T,U,V
TR705	ET-397160J	TR 2SC3330 R,S,T,U,V
TR706	ET-397160J	TR 2SC3330 R,S,T,U,V
TR707	ET-397160J	TR 2SC3330 R,S,T,U,V
TR708	ET-397160J	TR 2SC3330 R,S,T,U,V
TR709	ET-397160J	TR 2SC3330 R,S,T,U,V
TR710	ET-353899	TR 2SA1317 S,T,U
TR711	ET-353899	TR 2SA1317 S,T,U
TR712	ET-354414	TR DTC144ES
TR801	ET-397160J	TR 2SC3330 R,S,T,U,V
VL501	EO-364063	COIL VARI 1 F291CNS-0665BS
VL502	EO-364062	COIL VARI 1 F291CNS-0666GW
VR501	EV-405243J	R S-FIX H T05 EVMF6S 0.3W 223
VR801	EV-403967J	R S-FIX V T05EVNDCAA03 0.1W332
VR802	EV-403968J	R S-FIX V T05EVNDCAA03 0.1W473
X580	EI-394673J	OSC X'TAL HC-49/U 8867.238KHZ

8. PRE AMP P.C BOARD (260SK 265/266/275SEG)

Ref.No.	Part No.	Description
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
IC1	EI-403250J	IC LA7376
L1	EO-376858	COIL FIX 1 LF-5.0S F05 560K
L3	EO-381195J	COIL FIX 1 EL0405SKI 331K
L4	EO-376859	COIL FIX 1 LF-5.0S F05 8R2K
L5	EO-388088J	COIL FIX 1 EL0405SKI 151K
L6	EO-376612	COIL FIX 1 LF-5.0S F05 680K
L7	EO-376606	COIL FIX 1 LF-5.0S F05 180K
L8	EO-387803J	COIL FIX 1 EL0405SKI 221K
L9	EO-345880	COIL FIX 1 EL0606SKI 820J
L10	EO-345880	COIL FIX 1 EL0606SKI 820J
L13	EO-345880	COIL FIX 1 EL0606SKI 820J
L14	EO-376860	COIL FIX 1 LF-5.0S F05 820K
PS1	EJ-381075J	SOCKET HOUSING 5062-30-10-12
TR1	ET-397160J	TR 2SC3330 R,S,T,U,V
TR2	ET-353899	TR 2SA1317 S,T,U
TR3	ET-397160J	TR 2SC3330 R,S,T,U,V
TR4	ET-364040	TR UN421D
TR5	ET-397160J	TR 2SC3330 R,S,T,U,V
TR7	ET-360399	TR DTC114TS [SEG]
TR8	ET-397160J	TR 2SC3330 R,S,T,U,V
TR10	ET-364040	TR UN421D
TR11	ET-354414	TR DTC144ES [SEG]
TR12	ET-397160J	TR 2SC3330 R,S,T,U,V
TR13	ET-353899	TR 2SA1317 S,T,U
TR14	ET-353899	TR 2SA1317 S,T,U
TR16	ET-397160J	TR 2SC3330 R,S,T,U,V
VR2	EV-390157J	R S-FIX V KVSF639A 0.10W 102
VR3	EV-405248J	R S-FIX V T05EVNDCAA03 0.1W471
WP1	EW-403256J1	CORD FFC P1.25 L=230 12P

9. PRE AMP P.C BOARD (340S 345/375SEG)

Ref.No.	Part No.	Description
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
D3	ED-307572	D SILICON H 1SS131
IC1	EI-387586J	IC BA7244BS
L1	EO-376600	COIL FIX 1 LF-5.0S F05 101K
L2	EO-376858	COIL FIX 1 LF-5.0S F05 560K
L3	EO-376857	COIL FIX 1 LF-5.0S F05 5R6K
L4	EO-376603	COIL FIX 1 LF-5.0S F05 150K
L6	EO-387803J	COIL FIX 1 EL0405SKI 221K
L7	EO-376860	COIL FIX 1 LF-5.0S F05 820K
L8	EO-345880	COIL FIX 1 EL0606SKI 820J
L9	EO-376614	COIL FIX 1 LF-5.0S F05 220K
L10	EO-345880	COIL FIX 1 EL0606SKI 820J
L11	EO-345880	COIL FIX 1 EL0606SKI 820J
L12	EO-376601	COIL FIX 1 LF-5.0S F05 120K
L13	EO-381195J	COIL FIX 1 EL0405SKI 331K
L14	EO-376605	COIL FIX 1 LF-5.0S F05 151K
L15	EO-376612	COIL FIX 1 LF-5.0S F05 680K
PS1	EJ-403981J	SOCKET HOUSING 5062-30-10-16
TH1	EX-405691J	THERMISTOR NTH5D332KA
TR1	ET-353899	TR 2SA1317 S,T,U
TR2	ET-397160J	TR 2SC3330 R,S,T,U,V
TR5	ET-364040	TR UN421D
TR6	ET-354414	TR DTC144ES [SEG]
TR7	ET-397160J	TR 2SC3330 R,S,T,U,V
TR8	ET-397160J	TR 2SC3330 R,S,T,U,V
TR9	ET-397160J	TR 2SC3330 R,S,T,U,V
TR11	ET-353899	TR 2SA1317 S,T,U
TR12	ET-353899	TR 2SA1317 S,T,U
TR14	ET-397160J	TR 2SC3330 R,S,T,U,V
TR15	ET-354364	TR DTC143TS [SEG]
TR17	ET-364040	TR UN421D
TR18	ET-353897	TR DTC114ES
TR20	ET-354414	TR DTC144ES
TR21	ET-397160J	TR 2SC3330 R,S,T,U,V
VR2	EV-390157J	R S-FIX V KVSF639A 0.10W 102
VR3	EV-405248J	R S-FIX V T05EVNDCAA03 0.1W471
WP1	EW-403385J1	CORD FFC P1.25 L=230 16P

10. OPERATION P.C BOARD

Ref.No.	Part No.	Description
D10	ED-403279J	D ZENER H UTZJ9.1B
D11	ED-403278J	D ZENER H UTZJ7.5B
D12	ED-307572	D SILICON H 1SS131
D13	ED-307572	D SILICON H 1SS131
D14	ED-307572	D SILICON H 1SS131
D15	ED-307572	D SILICON H 1SS131
D17	ED-307572	D SILICON H 1SS131
D25	ED-307572	D SILICON H 1SS131
D26	ED-307572	D SILICON H 1SS131
D27	ED-307572	D SILICON H 1SS131
D41	ED-307572	D SILICON H 1SS131 [SEG]
D42	ED-307572	D SILICON H 1SS131 [SK]
FL1	EM-401078J	IND FL FV516G CHARACTER
IB1	EH-403945J	COMP R RGLE9X 103J
IB2	EH-383083J	COMP R RGLE3X 103J
IC1	EI-408392J	IC UPD75217CW-145 JBXOPOS1
IC2	EI-408393J	IC ST24C01B1
IC3	EI-373955	IC S-8053ALR
PH1	ET-381637J2	DETECTOR GP1U521X
PS1	EJ-389815J	SOCKET HOUSING 5062-30-10-15
PS2	EJ-387497J	SOCKET HOUSING 5062-30-10-13
SW1A	ES-408404J	SW TACT EVQ 235 07K T05 [EXCEPT 275SEG]
SW1B	ES-408405J	SW TACT EVQ 235 09K T05 [275SEG]
SW2	ES-349474	SW TACT SKHHAM004A
SW3	ES-349474	SW TACT SKHHAM004A
SW4	ES-349474	SW TACT SKHHAM004A
SW5	ES-349474	SW TACT SKHHAM004A
SW6	ES-349474	SW TACT SKHHAM004A
SW7	ES-349474	SW TACT SKHHAM004A
SW8	ES-349474	SW TACT SKHHAM004A
SW9	ES-349474	SW TACT SKHHAM004A
SW12	ES-349474	SW TACT SKHHAM004A
TR1	ET-354414	TR DTC144ES
WP1	EW-394623J	CORD FFC P1.25 L=110 15P
WP2	EW-389313J	CORD FFC P1.25 L=120 13P
X1	EI-373957J1	OSC CE CST4.19MGW 4.194MHZ
X2	EI-368825	OSC X'TAL MX-38T 32.768KHZ

11. VIF UNIT (S)

Ref.No.	Part No.	Description
CF1	EH-729774J	FILTER CE SAF32.7MW70Z
CF2	EH-376338	FILTER CE TPS6.5MB
CF3	EI-729777J	CERA LOCK CSB500F9
CF51	EH-711868	FILTER SAW SAF39.2MB51P
IC1	EI-729775J	IC M51419ASP
IC51	EI-715731	IC TA7718P
L1	EO-388160J	COIL FIX 1 EL0405SKI 1R8K
L2	EO-729784J	COIL AFT 6F16329A1
L3	EH-732688J	COIL TANK 6F16410A1
L4	EO-381189J	COIL FIX 1 EL0405SKI 100K
L51	EH-732689J	COIL SIF DET 6F16198A1
Q1	ET-725820J	TR CHIP 2SC2735J
Q2	ET-370819	TR.CHIP 2SC3052
Q51	ET-725820J	TR CHIP 2SC2735J
Q52	ET-730419J	TR 2SA1235 E,F
VR1	EV-404301J	R S-FIX H T05 KVSF637T 0.1W473
VR2	EV-405657J	R S-FIX H T05 KVSF637T 0.1W103
VR51	EV-404298J	R S-FIX H T05 KVSF637T 0.1W222

12. VIF UNIT (SEG)

Ref.No.	Part No.	Description
CF1	EH-729774J	FILTER CE SAF32.7MW70Z
CF2	EI-729777J	CERA LOCK CSB500F9
CF51	EH-711868	FILTER SAW SAF39.2MB51P
CF71	EH-376338	FILTER CE TPS6.5MB
CF72	EH-373919	FILTER CE TPS6.0MB
CF73	EH-368948	FILTER CE TPS5.5MW 5.5000MHZ
CF74	EH-373920	FILTER CE SFE5.5MB
CF75	EH-373921	FILTER CE SFE6.0MB
D1	ED-729782J	D SILICON CHIP HSM2693
D2	ED-729781J	D SILICON CHIP HSR277
D3	ED-724694J	D SILICON CHIP MC2838
D71	ED-729989J	D SILICON CHIP HSM2694
D72	ED-729989J	D SILICON CHIP HSM2694
D73	ED-729989J	D SILICON CHIP HSM2694
D74	ED-730115J	D SILICON CHIP MC2836
IC1	EI-729775J	IC M51419ASP
IC51	EI-715731	IC TA7718P
IC71	EI-714602	IC TA7337P
L1	EO-381187J	COIL FIX 1 EL0405SKI R68M
L2	EO-387782J	COIL FIX 1 EL0405SKI 2R2K
L3	EO-729783J	COIL SAW 6F16328A1
L4	EO-729784J	COIL AFT 6F16329A1
L5	EO-714613	COIL RF 6R16113B3
L6	EO-392660J	COIL FIX 1 EL0405SKI 220K
L51	EH-732689J	COIL SIF DET 6F16198A1
L71	EO-381189J	COIL FIX 1 EL0405SKI 100K
L72	EO-381189J	COIL FIX 1 EL0405SKI 100K
L73	EO-387781J	COIL FIX 1 EL0405SKI 120K
L74	EO-387799J	COIL FIX 1 EL0405SKI 180K
L75	EO-732671J	COIL SIF DET 6F16411A1
L76	EO-732670J	COIL SIF DET 6F16412A1
Q1	ET-725820J	TR CHIP 2SC2735J
Q2	ET-730419J	TR 2SA1235 E,F
Q3	ET-370819	TR.CHIP 2SC3052
Q4	ET-732638J	TR CHIP DTC144EK
Q51	ET-725820J	TR CHIP 2SC2735J
Q71	ET-732638J	TR CHIP DTC144EK
Q72	ET-732638J	TR CHIP DTC144EK
Q73	ET-370819	TR.CHIP 2SC3052
Q74	ET-370819	TR.CHIP 2SC3052
VC1	EC-729779J	C S-FIX H TZ03T200FR
VC2	EC-729778J	C S-FIX H TZ03T110FR
VR1	EV-405657J	R S-FIX H T05 KVSF637T 0.1W103
VR2	EV-404301J	R S-FIX H T05 KVSF637T 0.1W473
VR51	EV-404298J	R S-FIX H T05 KVSF637T 0.1W222
VR71	EV-405657J	R S-FIX H T05 KVSF637T 0.1W103

13. VIF UNIT (SK)

Ref.No.	Part No.	Description
CF1	EH-714629	FILTER SAW SAF38.0MZ70Z
CF2	EH-358973	FILTER CE SFE6.5MB 6.500MC
CF3	EH-376338	FILTER CE TPS6.5MB
IC1	EI-368809	IC M51496P
L1	EO-387800J	COIL FIX 1 EL0405SKI 2R7K
L3	EO-725955J	COIL SIF DET 6F16263A4
L4	EO-714614	COIL RF 6F16115B1
L5	EO-714610	COIL RF 6F16113B1
L6	EO-387798J	COIL FIX 1 EL0405SKI 150K
L7	EO-387798J	COIL FIX 1 EL0405SKI 150K
L8	EO-387802J	COIL FIX 1 EL0405SKI 330K
Q1	ET-725820J	TR CHIP 2SC2735J
Q2	ET-713614	TR CHIP 2SA1235 E,F
VR2	EV-404298J	R S-FIX H T05 KVSF637T 0.1W222
VR51	EV-405658J	R S-FIX H T05 KVSF637T 0.1W223

14. POWER (1) P.C BOARD (EXCEPT SK)

Ref.No.	Part No.	Description
C1	EC-408376J	C EC V CUT KMG 102M 50.0DC
C2	EC-408377J	C EC V CUT KMG 222M 50.0DC
C3	EC-408426J	C EC V F05 LXF8 121M 50.0DC
C4	EC-403878J	C EC V T05 LXF8 271M 16.0DC
C14	EC-408426J	C EC V F05 LXF8 121M 50.0DC
C15	EC-403878J	C EC V T05 LXF8 271M 16.0DC
C20	EC-403880J	C EC V T05 LXF8 221M 25.0DC
C23	EC-406639J	C EC V T05 LXF6 330M 63.0DC
C24	EC-406639J	C EC V T05 LXF6 330M 63.0DC
D3	*ED-511907	D SILICON 1N4002 100/1.0A
D4	*ED-511907	D SILICON 1N4002 100/1.0A
D6	*ED-386226J	D SCHOTTKY RB100AT-32T26 40/1
D8	*ED-386226J	D SCHOTTKY RB100AT-32T26 40/1
D11	*ED-386226J	D SCHOTTKY RB100AT-32T26 40/1
D16	ED-307572	D SILICON H 1SS131
D17	*ED-511907	D SILICON 1N4002 100/1.0A
D18	*ED-511907	D SILICON 1N4002 100/1.0A
D19	ED-404032J	D ZENER H UTZJ39A
D20	ED-405524J	D ZENER H MTZJ36A T26
D27	ED-396060J	D ZENER H HZS18-2
D28	ED-391005J	D ZENER H HZS12B1
D54	ED-307572	D SILICON H 1SS131
D55	ED-307572	D SILICON H 1SS131
D57	ED-405264J	D ZENER H UTZJ10C
D58	ED-405264J	D ZENER H UTZJ10C
D71	*ED-511907	D SILICON 1N4002 100/1.0A
D72	*ED-511907	D SILICON 1N4002 100/1.0A
D73	*ED-511907	D SILICON 1N4002 100/1.0A
D74	*ED-511907	D SILICON 1N4002 100/1.0A
FR1	*ER-400728J	R FUSE V T05 RF25SCVTP1/4WR12K
FR2	*ER-408375J	R FUSE V T05RF25SCPVTP1/4WR12K
FR3	*ER-400605J	R FUSE V T05 ERD2FCV 1/4W15R0G
FR4	*ER-400689J	R FUSE V T05 RF25SCVTP1/4WR68K
FR5	*ER-405441J	R FUSE V T05 RF25SCVTP1/4WR27K
L1	EO-408381J	COIL FIX 2 C-5344-40 560K
L2	EO-408381J	COIL FIX 2 C-5344-40 560K
L3	EO-408381J	COIL FIX 2 C-5344-40 560K
L4	EO-408381J	COIL FIX 2 C-5344-40 560K
L6	EO-386541J	COIL FIX 1 ELF1010SKI 101K
L9	EO-393769J	COIL FIX 1 LHL06TB T05 471K
R14	ER-333091	R OMF H S20 FS 2W 360J
TR1	*ET-366365	TR 2SB1185 E,F
TR5	*ET-366365	TR 2SB1185 E,F
TR6	ET-356817	TR 2SB891 Q,R
TR9	*ET-366365	TR 2SB1185 E,F
TR12	*ET-405622J	TR 2SD2061 E,F
TR13	*ET-366365	TR 2SB1185 E,F
TR14	ET-360399	TR DTC114TS
TR15	ET-360399	TR DTC114TS
TR16	ET-397160J	TR 2SC3330 R,S,T,U,V

15. POWER (2) P.C BOARD (EXCEPT SK)

Ref.No.	Part No.	Description
D7	ED-405264J	D ZENER H UTZJ10C
D10	ED-307572	D SILICON H 1SS131
D50	ED-387919J	D ZENER H HZS6A1L
D56	ED-396057J	D ZENER H HZS16-2
IC1	*EI-381575J	IC BA6121
L10	EO-380091J1	COIL FIX 2 C-5293-01 560K
TR2	*ET-405622J	TR 2SD2061 E,F
TR3	ET-389803J	TR 2SA933S R,S
TR4	*ET-404195J	TR 2SC4486 S,T T05
TR7	*ET-405622J	TR 2SD2061 E,F
TR8	ET-389803J	TR 2SA933S R,S
TR50	ET-353897	TR DTC114ES

16. DIODE P.C BOARD

Ref.No.	Part No.	Description
D14	*ED-379298	D SILICON DBA20B 100/2.0A

17. POWER P.C BOARD (SK)

Ref.No.	Part No.	Description
C1	EC-406634J	C EC V SXE12 222M 25.0DC
C2	EC-363490	C EC V CUT SME 222M 16.0DC
C3	EC-406635J	C EC V SXE16 222M 35.0DC
C4	EC-406636J	C EC V T05 SXE6 270M 63.0DC
C5	EC-406636J	C EC V T05 SXE6 270M 63.0DC
C10	EC-405612J	C EC V T05 SXE4 4R7M 50.0DC
D1	*ED-511907	D SILICON 1N4002 100/1.0A
D2	*ED-511907	D SILICON 1N4002 100/1.0A
D3	*ED-511907	D SILICON 1N4002 100/1.0A
D4	*ED-511907	D SILICON 1N4002 100/1.0A
D9	*ED-511907	D SILICON 1N4002 100/1.0A
D11	*ED-511907	D SILICON 1N4002 100/1.0A
D13	ED-405373J	D ZENER H MTZJ16A T26
D14	ED-404032J	D ZENER H UTZJ39A
D15	ED-405524J	D ZENER H MTZJ36A T26
D16	*ED-404029J	D ZENER H UTZJ10B T26
FL1	*EO-339907	COIL LF FKOB160MH16 1000.0UH
FR1	*ER-408375J	R FUSE V T05RF25SCPVTP1/4WR12K
FR2	*ER-400728J	R FUSE V T05 RF25SCVTP1/4WR12K
FR3	*ER-408375J	R FUSE V T05RF25SCPVTP1/4WR12K
FR4	*ER-400728J	R FUSE V T05 RF25SCVTP1/4WR12K
FR5	*ER-400605J	R FUSE V T05 ERD2FCV 1/4W15R0G
TR1	*ET-381175J	TR 2SD1856
TR2	*ET-366365	TR 2SB1185 E,F
TR3	*ET-405622J	TR 2SD2061 E,F
TR4	*ET-405622J	TR 2SD2061 E,F
TR5	*ET-405622J	TR 2SD2061 E,F
TR6	*ET-405622J	TR 2SD2061 E,F
TR7	*ET-366365	TR 2SB1185 E,F

18. DIODE P.C BOARD (SK)

Ref.No.	Part No.	Description
D1	*ED-379298	D SILICON DBA20B 100/2.0A

19. CANAL PLUS (A) P.C BOARD (EXCEPT SK)

Ref.No.	Part No.	Description
IC1	EI-200573	IC TC4053BP
IC2	EI-332259	IC TC4052BP
IC3	EI-200573	IC TC4053BP
L1	EO-403270J	COIL FIX 1 EL0405RA T05 101J
TR4	ET-400218J	TR 2SC1740S R,S
TR6	ET-400218J	TR 2SC1740S R,S
TR7	ET-389803J	TR 2SA933S R,S
TR8	ET-400218J	TR 2SC1740S R,S
TR9	ET-400218J	TR 2SC1740S R,S
TR10	ET-389803J	TR 2SA933S R,S
TR11	ET-389803J	TR 2SA933S R,S
TR12	ET-400218J	TR 2SC1740S R,S
TR13	ET-397160J	TR 2SC3330 R,S,T,U,V
TR14	ET-397160J	TR 2SC3330 R,S,T,U,V
TR15	ET-400218J	TR 2SC1740S R,S
TR16	ET-400218J	TR 2SC1740S R,S
TR17	ET-400218J	TR 2SC1740S R,S
TR18	ET-397160J	TR 2SC3330 R,S,T,U,V
TR19	ET-353899	TR 2SA1317 S,T,U
TR20	ET-389803J	TR 2SA933S R,S
TR21	ET-401247J	TR DTC123YS
TR22	ET-400218J	TR 2SC1740S R,S
TR23	ET-400218J	TR 2SC1740S R,S
TR25	ET-397160J	TR 2SC3330 R,S,T,U,V
TR26	ET-397160J	TR 2SC3330 R,S,T,U,V
TR27	ET-364060	TR DTC143ES
TR28	ET-397160J	TR 2SC3330 R,S,T,U,V

20. CANAL PLUS (B) P.C BOARD (EXCEPT SK)

Ref.No.	Part No.	Description
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
L2	EO-403270J	COIL FIX 1 EL0405RA T05 101J
PJ1	EJ-389915J	SOCKET M1817-A 21P
PJ2	EJ-389864J	SOCKET M1817 21P
PJ3	EJ-389323J	PIN J YKB11-0180 1P
PJ4	EJ-403360J	PIN J YKB11-0174 BLACK 1P
TR1	ET-400218J	TR 2SC1740S R,S
TR2	ET-400218J	TR 2SC1740S R,S
TR3	ET-400218J	TR 2SC1740S R,S
TR5	ET-354415	TR DTA144ES
TR24	ET-400218J	TR 2SC1740S R,S
1	SP-404857J	PANEL REAR JACK S (2)

21. CANAL PLUS (A) P.C BOARD (SK)

Ref.No.	Part No.	Description
IC2	EI-332259	IC TC4052BP
L1	EO-403270J	COIL FIX 1 EL0405RA T05 101J
TR12	ET-400218J	TR 2SC1740S R,S
TR17	ET-400218J	TR 2SC1740S R,S
TR22	ET-400218J	TR 2SC1740S R,S

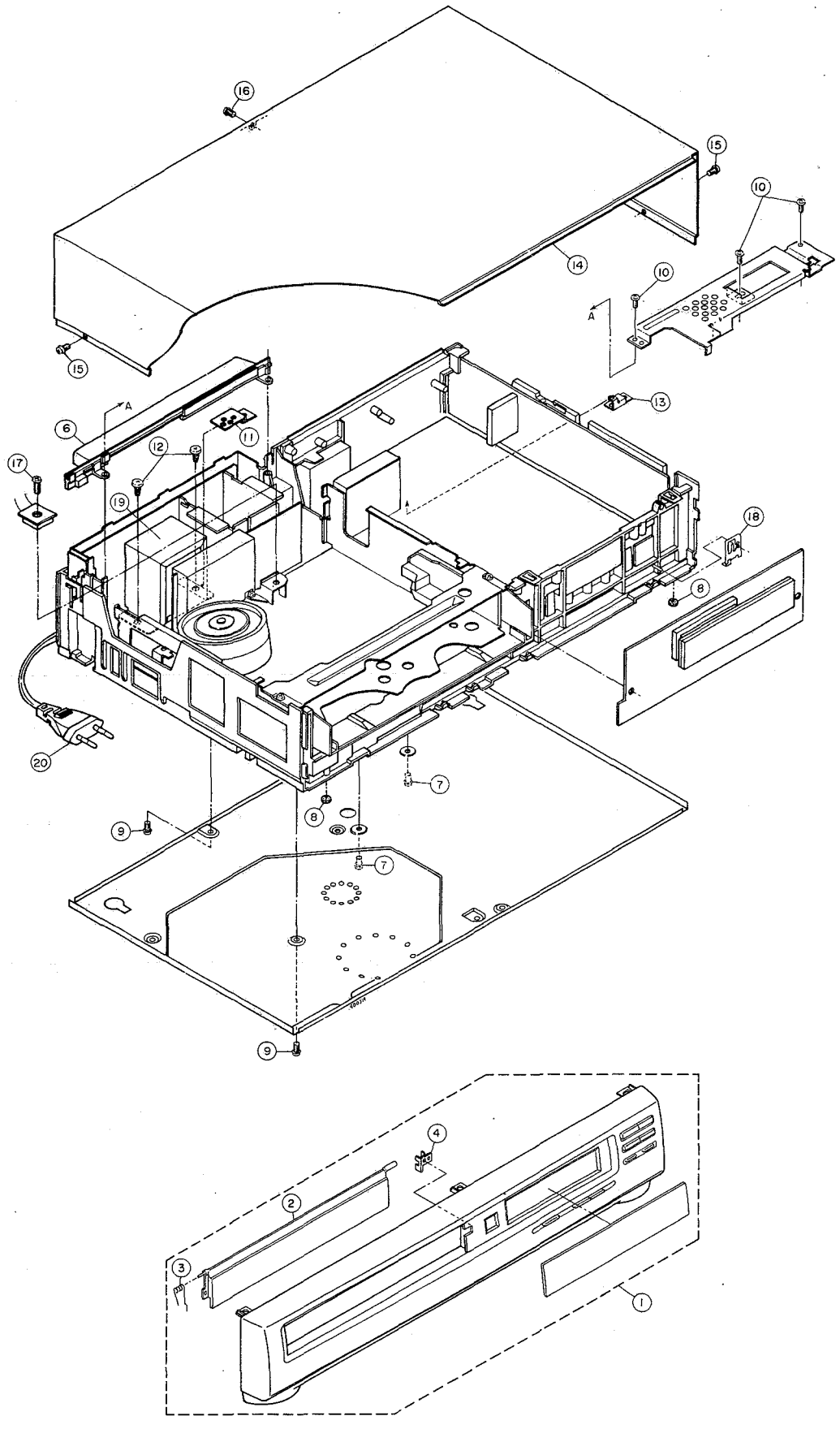
22. CANAL PLUS (B) P.C BOARD (SK)

Ref.No.	Part No.	Description
L2	EO-403270J	COIL FIX 1 EL0405RA T05 101J
PJ1	EJ-389864J	SOCKET M1817 21P
TR2	ET-400218J	TR 2SC1740S R,S
1	SP-404858J	PANEL REAR JACK SK (2)

23. SEG P.C BOARD

Ref.No.	Part No.	Description
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
D4	ED-307572	D SILICON H 1SS131
D5	ED-307572	D SILICON H 1SS131
D6	ED-307572	D SILICON H 1SS131
D7	ED-307572	D SILICON H 1SS131
DL1	EH-390730J	DL EFD-JF124A13J
FL1	EH-364045	FILTER LC FF-78P
FL2	EO-366893	COIL VARI 1 21D6 8.20MH
FL3	EO-366893	COIL VARI 1 21D6 8.20MH
FL4	EH-364066	FILTER LC LP H322LWQ-1166MAD
FL5	EH-402170J	FILTER LC LP SEL-5065
IC1	EI-394839J	IC LA7332
IC2	EI-366892	IC BA7025L
IC3	EI-366892	IC BA7025L
IC4	EI-200573	IC TC4053BP
L1	EO-388087J	COIL FIX 1 LF-5.0S F05 331K
L2	EO-388353J	COIL FIX 1 LF-5.0S F05 471K
L3	EO-376601	COIL FIX 1 LF-5.0S F05 120K
L4	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L5	EO-376861	COIL FIX 1 LF-5.0S F05 390K
L6	EO-376603	COIL FIX 1 LF-5.0S F05 150K
L7	EO-376606	COIL FIX 1 LF-5.0S F05 180K
L8	EO-376609	COIL FIX 1 LF-5.0S F05 270K
L9	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L10	EO-345872	COIL FIX 1 EL0606SKI 220J
L11	EO-376602	COIL FIX 1 LF-5.0S F05 121K
L12	EO-376602	COIL FIX 1 LF-5.0S F05 121K
L13	EO-403270J	COIL FIX 1 EL0405RA T05 101J
L14	EO-388206J	COIL FIX 1 EL0405SKI 680K [265/266/275SEG]
SF1	EH-366894	FILTER CE SFE-4.16MB 4.16MHZ
SF2	EH-370812	FILTER CE SFE4.5MB
TR1	ET-353897	TR DTC114ES
TR2	ET-400218J	TR 2SC1740S R,S
TR3	ET-400218J	TR 2SC1740S R,S
TR4	ET-353897	TR DTC114ES
TR5	ET-356336	TR DTA114ES
TR6	ET-400218J	TR 2SC1740S R,S
TR7	ET-400218J	TR 2SC1740S R,S
TR8	ET-389803J	TR 2SA933S R,S
TR9	ET-354414	TR DTC144ES
TR12	ET-400218J	TR 2SC1740S R,S
TR13	ET-400218J	TR 2SC1740S R,S
TR14	ET-354414	TR DTC144ES
TR15	ET-353897	TR DTC114ES
TR16	ET-400218J	TR 2SC1740S R,S
TR17	ET-389803J	TR 2SA933S R,S
TR18	ET-400218J	TR 2SC1740S R,S
TR19	ET-389803J	TR 2SA933S R,S
TR20	ET-389803J	TR 2SA933S R,S
TR21	ET-389803J	TR 2SA933S R,S
TR22	ET-389803J	TR 2SA933S R,S
TR23	ET-400218J	TR 2SC1740S R,S
TR24	ET-354414	TR DTC144ES
TR25	ET-354414	TR DTC144ES
TR26	ET-354414	TR DTC144ES
TR27	ET-354414	TR DTC144ES
TR28	ET-354414	TR DTC144ES
TR29	ET-400218J	TR 2SC1740S R,S [265/266/275SEG]
TR30	ET-400218J	TR 2SC1740S R,S [265/266/275SEG]
VR1	EV-356323	R S-FIX H KVSF637A 0.10W 102
X1	EI-381632J	OSC X'TAL 86686 4.433619MHZ

FINAL ASSEMBLY



24. FINAL ASSEMBLY BLOCK

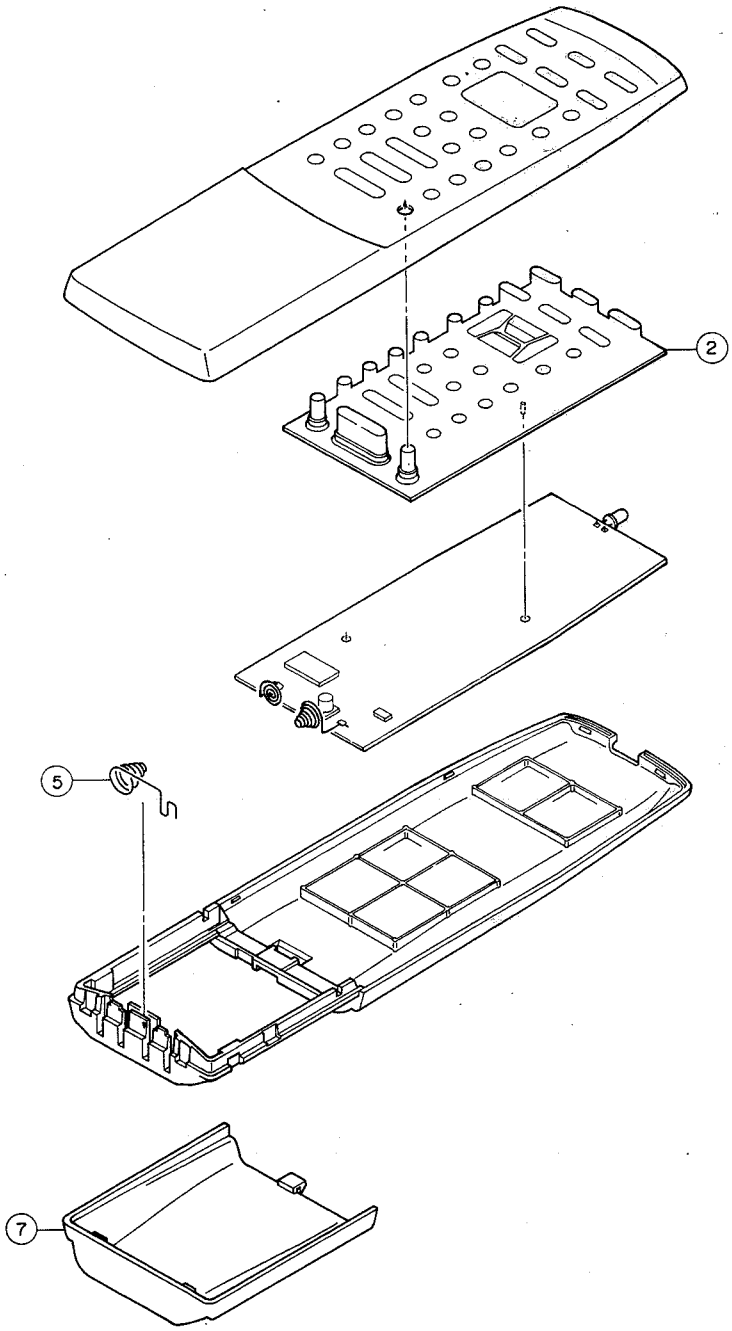
Ref.No.	Part No.	Description
1A	BD-407527J1	PANEL FRONT VS-F260S PART [260SK]
1B	BD-407529J1	PANEL FRONT VS-F265SEG PART
1C	BD-410893J	PANEL FRONT VS-F266SEG PART
1D	BD-407530J	PANEL FRONT VS-F275SEG PART
1E	BD-404308J	PANEL FRONT VS-F340S PART
1F	BD-404309J	PANEL FRONT VS-F345SEG PART
1G	BD-409323J	PANEL FRONT VS-F375SEG PART
2A	SE-409020J1	MASK CASSETTE VS-F260 (F) [260SK]
2B	SE-409021J1	MASK CASSETTE VS-F265 (F) [265SEG]
2C	SE-410889J	MASK CASSETTE VS-F266 (F) [266SEG]
2D	SE-409261J	MASK CASSETTE VS-F275 (F) [275SEG]
2E	SE-409193J	MASK CASSETTE (J) VS-F340 (F) [340S]
2F	SE-409194J	MASK CASSETTE (J) VS-F345 (F) [345SEG]
2G	SE-409322J	MASK CASSETTE (J) VS-F375 (F) [375SEG]
3	ZG-387370J	SP MASK
4	SZ-401874J	STOPPER MASK
6	SC-387353J	COVER TRANS
7	ZS-362378	PLX BID30X10STL CMT
8	SA-387507J	FOOT SX
9	ZS-358936	ST BID30X06STL CMT
10	ZS-378341	PLX BID30X12STL CMT
11	ZG-387505J	PLATE EARTH
12	ZS-373962	PLX BID40X10STL CMT
13	ZG-387354J	PLATE EARTH (2)
14	SP-407479J	COVER UPPER JX
15	ZS-385611J	DT BID26X06STL BNI
16	ZS-391046J	PLX BID26X10STL BNI
17	ZS-357946	PLX PAN30X10STL CMT C080
18	ZG-392214J1	PLATE EARTH (3)
19A	*BT-403883J	TRANS POW V1130 EOG-V [EXCEPT SK]
19B	*BT-403873J	TRANS POW V1130 EO [SK]
20	*EW-404002M	AC CORD 200 SE-1 WITH TUBE E

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

25. ACCASSARY

Ref.No.	Part No.	Description
1	AV-348415J1	CORD SECAM
2A	AV-B1038A010B	REMOCON BLK RC-V250F [EXCEPT 275/375SEG]
2B	AV-B1042A010B	REMOCON BLK RC-V252F [275/375SEG]

REMOCON RC-V250F



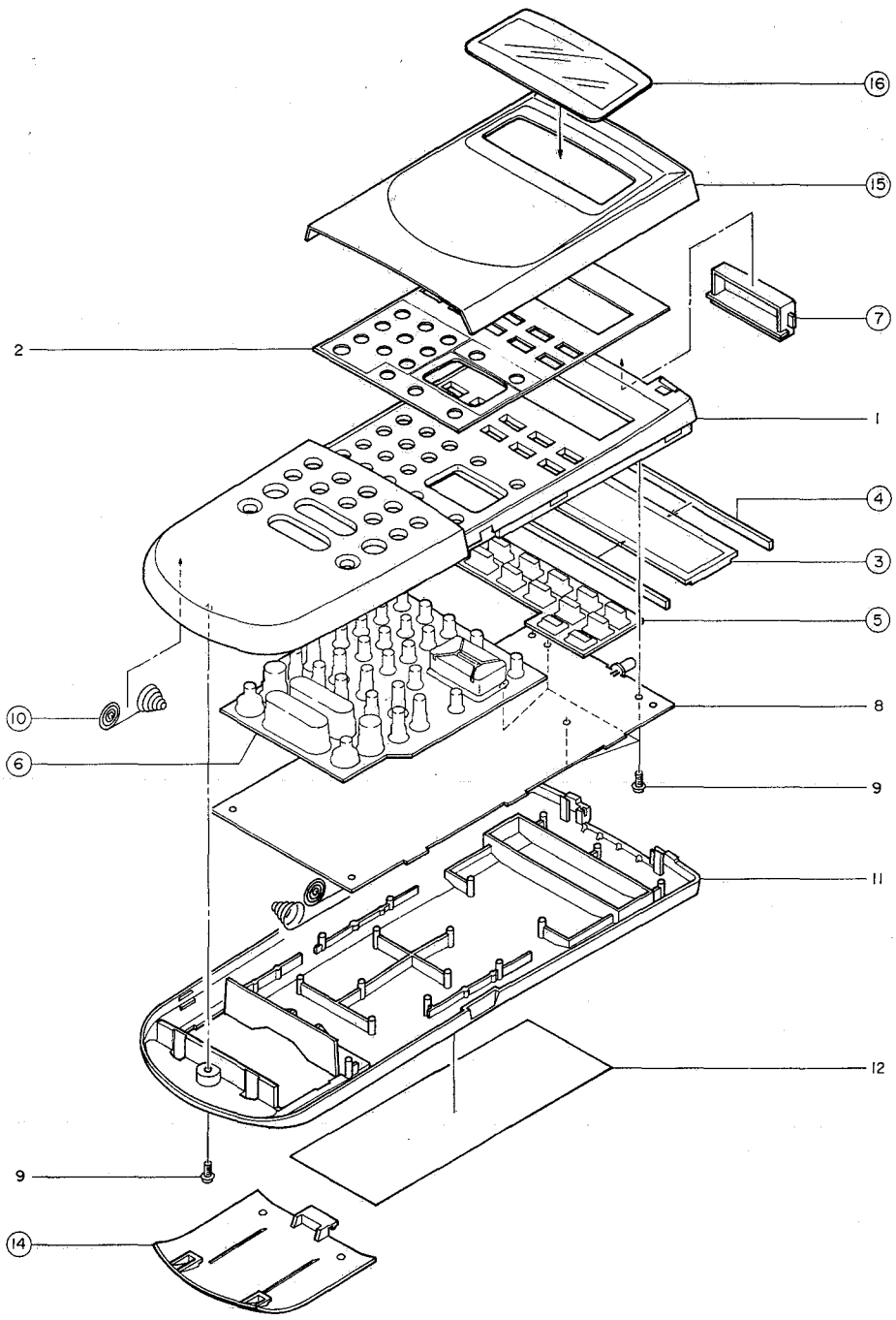
26. REMOCON RC-V250F

Ref.No.	Part No.	Description
2	MB-407424J	KEY RUBBER
5	ZG-406719J	TERMINAL BATTERY (A3)
7	SC-407425J	COVER BATTERY

27. REMOCON P.C BOARD RC-V250F

Ref.No.	Part No.	Description
D1	ED-403450J	D LED SE303ARF-C INFRARED
D2	ED-386031J	D SILICON CHIP MA110-TW
D3	ED-386031J	D SILICON CHIP MA110-TW
D4	ED-386031J	D SILICON CHIP MA110-TW
IC1	EI-376112	IC UPD6122G
TR1	ET-390826J	TR.CHIP 2SD1619 T,U TC T08
X1	EI-390687J	OSC CE CSU455PL 455KHZ
1	ZG-406720J	TERMINAL BATTERY (A1)
2	ZG-406722J	TERMINAL BATTERY (A2)

REMOCON RC-V252F



28. REMOCON RC-V252F

Ref.No.	Part No.	Description
3	EM-403449J	IND LCD LF5382G FRENCH
4	EJ-403095J	TERMINAL LCD (3) B1014
5	MB-403107J	KEY RUBBER (S2)
6	MB-406738J	KEY RUBBER (L)-2
7	SE-403111J	FILTER
9	ZS-374389	PT BID20X06STL BNI
10	ZG-403100J1	TERMINAL BATTERY (+-)
14	SC-406730J	COVER BATTERY (2)
15	SP-406731J	DOOR PANEL (L2)
16	SP-403096J1	WINDOW LCD

29. REMOCON P.C BOARD RC-V252F

Ref.No.	Part No.	Description
D1	ED-403450J	D LED SE303ARF-C INFRARED
IC1	EI-408408J1	IC M50933-128FP JXLCDR2
IC2	EI-400672J	IC S-8052ALB-LE
TR1	ET-390826J	TR.CHIP 2SD1619 T,U TC T08
X1	EI-368825	OSC X'TAL MX-38T 32.768KHZ
X2	EI-403451J	OSC CE CSB1200J 1.200MHZ
1	ZG-403098J	TERMINAL BATTERY (+)
2	ZG-403099J	TERMINAL BATTERY (-)

INDEX

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
AVB1038A010B	25-2A	ED307572	6-D2	ED386031J	27-D4	EH376338	12-CF71
AVB1042A010B	25-2B	ED307572	6-D3	ED386226J	14-D6	EH376338	13-CF3
AV348415J1	25-1	ED307572	6-D4	ED386226J	14-D8	EH383083J	10-IB2
BAV1130A610E	5-2A	ED307572	6-D5	ED386226J	14-D11	EH389200J	7-FL501
BAV1130Q610F	5-2B	ED307572	6-D6	ED387919J	6-D8	EH390730J	23-DL1
BAV1131A600M	5-1B	ED307572	6-D7	ED387919J	15-D50	EH402170J	23-FL5
BAV1131A750B	5-6B	ED307572	6-D10	ED390011J	4-13	EH403945J	10-IB1
BAV1131A760A	5-5A	ED307572	6-D104	ED390012J	4-14	EH405212J	7-FL502
BAV1131A760B	5-5B	ED307572	6-D105	ED391005J	14-D28	EH711868	11-CF51
BAV1131Q600B	5-1A	ED307572	6-D106	ED396057J	15-D56	EH711868	12-CF51
BAV1131Q750A	5-6A	ED307572	6-D201	ED396060J	14-D27	EH714629	13-CF1
BAV1132A500A	5-4B	ED307572	6-D202	ED397233J	6-D204	EH729774J	11-CF1
BAV1132A610D	5-2C	ED307572	6-D203	ED403267J	6-D205	EH729774J	12-CF1
BAV1132Q610E	5-2D	ED307572	6-D208	ED403278J	10-D11	EH732688J	11-L3
BAV1135A500B	5-4A	ED307572	6-D209	ED403279J	10-D10	EH732689J	11-L51
BAV1146A635F	5-3C	ED307572	6-D301	ED403450J	27-D1	EH732689J	12-L51
BAV1146Q635D	5-3A	ED307572	6-D302	ED403450J	29-D1	EI200573	19-IC1
BAV1146Q635E	5-3B	ED307572	6-D305	ED403724J	6-D304	EI200573	19-IC3
BAV1146Q635H	5-3D	ED307572	6-D306	ED403729J	6-D480	EI200573	23-IC4
BAV1146Q635J	5-3E	ED307572	6-D307	ED404029J	17-D16	EI201940	7-IC701
BAV1149Q600A	5-1C	ED307572	6-D308	ED404032J	14-D19	EI332259	19-IC2
BAV1149Q600B	5-1D	ED307572	6-D309	ED404032J	17-D14	EI332259	21-IC2
BBV1130A020H	3-64	ED307572	6-D401	ED404086J	6-D303	EI353421	6-IC302
BD404308J	24-1E	ED307572	6-D404	ED405264J	14-D57	EI366892	23-IC2
BD404309J	24-1F	ED307572	6-D405	ED405264J	14-D58	EI366892	23-IC3
BD407527J1	24-1A	ED307572	6-D406	ED405264J	15-D7	EI368809	13-IC1
BD407529J1	24-1B	ED307572	6-D481	ED405373J	17-D13	EI368825	10-X2
BD407529J1	24-1C	ED307572	6-D482	ED405524J	14-D20	EI368825	29-X1
BD407530J	24-1D	ED307572	6-D601	ED405524J	17-D15	EI372243	7-IC501
BD409323J	24-1G	ED307572	6-D602	ED405604J	6-D11	EI373955	10-IC3
BLV1102A050A	3-23	ED307572	7-D501	ED405605J	6-D9	EI373957J1	10-X1
BLV1102A140A	3-43	ED307572	7-D502	ED511907	6-D212	EI373966	6-IC402
BM387503J	4-31	ED307572	7-D504	ED511907	6-D213	EI373980	6-IC303
BM400682J1	4-9	ED307572	7-D505	ED511907	14-D3	EI376112	27-IC1
BM401296J	2-8	ED307572	7-D701	ED511907	14-D4	EI381575J	15-IC1
BT403873J	24-19B	ED307572	7-D702	ED511907	14-D17	EI381632J	23-X1
BT403883J	24-19A	ED307572	7-D703	ED511907	14-D18	EI387586J	9-IC1
BVV1102A070A	3-35	ED307572	7-D704	ED511907	14-D71	EI388360J	7-IC801
BVV1102A080A	3-36	ED307572	7-D801	ED511907	14-D72	EI388885J	6-IC602
BVV1102A150A	3-48	ED307572	8-D1	ED511907	14-D73	EI389622J	6-IC1
BVV1102A420B	2-2A	ED307572	8-D2	ED511907	14-D74	EI389640J	6-X301
BVV1102A420G	2-2B	ED307572	9-D1	ED511907	17-D1	EI389974J	6-X601
BVV1123A410A	2-1A	ED307572	9-D2	ED511907	17-D2	EI390687J	27-X1
BVV1123A410D	2-1B	ED307572	9-D3	ED511907	17-D3	EI394673J	7-X580
BV390155J1	6-1B	ED307572	10-D12	ED511907	17-D4	EI394839J	23-IC1
BV397392J	6-1A	ED307572	10-D13	ED511907	17-D9	EI394951J	7-IC702
BV403362J1	6-3C	ED307572	10-D14	ED511907	17-D11	EI396454J	6-IC401
BV403363J1	6-3B	ED307572	10-D15	ED724694J	12-D3	EI400672J	29-IC2
BV403364J	6-3A	ED307572	10-D17	ED729781J	12-D2	EI400756J	6-IC201
EA387496J	4-12	ED307572	10-D25	ED729782J	12-D1	EI403250J	8-IC1
EC363490	17-C2	ED307572	10-D26	ED729989J	12-D71	EI403451J	29-X2
EC391843J	6-C369	ED307572	10-D27	ED729989J	12-D72	EI405722J	6-IC601
EC394757J	6-VC614	ED307572	10-D41	ED729989J	12-D73	EI408392J	10-IC1
EC403878J	14-C4	ED307572	10-D42	ED730115J	12-D74	EI408393J	10-IC2
EC403878J	14-C15	ED307572	14-D16	EE400753J	6-2A	EI408408J1	29-IC1
EC403880J	14-C20	ED307572	14-D54	EE408471J	6-2B	EI408422J1	6-IC301A
EC405612J	17-C10	ED307572	14-D55	EH358973	13-CF2	EI408849J	6-IC301B
EC406634J	17-C1	ED307572	15-D10	EH364045	23-FL1	EI714602	12-IC71
EC406635J	17-C3	ED307572	20-D1	EH364066	6-FL401	EI715731	11-IC51
EC406636J	17-C4	ED307572	20-D2	EH364066	23-FL4	EI715731	12-IC51
EC406636J	17-C5	ED307572	23-D1	EH366894	23-SF1	EI729775J	11-IC1
EC406639J	14-C23	ED307572	23-D2	EH367043	7-FL503	EI729775J	12-IC1
EC406639J	14-C24	ED307572	23-D4	EH368821	6-FL402	EI729777J	11-CF3
EC408376J	14-C1	ED307572	23-D5	EH368948	12-CF73	EI729777J	12-CF2
EC408377J	14-C2	ED307572	23-D6	EH370812	23-SF2	EJ381075J	8-PS1
EC408426J	14-C3	ED307572	23-D7	EH373919	12-CF72	EJ381837J	4-16
EC408426J	14-C14	ED379298	16-D14	EH373920	12-CF74	EJ387497J	4-15
EC729778J	12-VC2	ED379298	18-D1	EH373921	12-CF75	EJ387497J	10-PS2
EC729779J	12-VC1	ED386031J	27-D2	EH376338	6-CF1	EJ389323J	20-PJ3
ED307572	6-D1	ED386031J	27-D3	EH376338	11-CF2	EJ389815J	10-PS1

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
EJ389864J	20-PJ2	EO387798J	13-L7	ES349474	10-SW9	ET354415	6-TR312
EJ389864J	22-PJ1	EO387799J	12-L74	ES349474	10-SW12	ET354415	6-TR407
EJ389915J	20-PJ1	EO387800J	13-L1	ES373099	4-39	ET354415	6-TR482
EJ403095J	28-4	EO387802J	13-L8	ES387465J	4-17	ET354415	7-TR509
EJ403360J	20-PJ4	EO387803J	8-L8	ES408404J	10-SW1A	ET354415	20-TR5
EJ403981J	9-PS1	EO387803J	9-L6	ES408405J	10-SW1B	ET356336	6-TR202
EM401078J	10-FL1	EO388087J	23-L1	ET353897	6-TR15	ET356336	6-TR605
EM403449J	28-3	EO388088J	8-L5	ET353897	9-TR18	ET356336	6-TR606
EO339907	17-FL1	EO388160J	11-L1	ET353897	15-TR50	ET356336	7-TR511
EO345872	23-L10	EO388206J	23-L14	ET353897	23-TR1	ET356336	23-TR5
EO345880	8-L9	EO388353J	23-L2	ET353897	23-TR4	ET356817	14-TR6
EO345880	8-L10	EO388362J	7-FL801	ET353897	23-TR15	ET360399	6-TR411
EO345880	8-L13	EO390716J	7-L802	ET353899	6-TR1	ET360399	6-TR485
EO345880	9-L8	EO390717J	7-L801	ET353899	6-TR7	ET360399	8-TR7
EO345880	9-L10	EO392660J	12-L6	ET353899	6-TR8	ET360399	14-TR14
EO345880	9-L11	EO393769J	14-L9	ET353899	6-TR9	ET360399	14-TR15
EO351862	6-L2	EO403270J	6-L101	ET353899	6-TR12	ET361490	4-24
EO351862	6-L405	EO403270J	6-L302	ET353899	6-TR14	ET364040	6-TR410
EO351866	6-L603	EO403270J	6-L408	ET353899	6-TR20	ET364040	8-TR4
EO351866	6-L604	EO403270J	6-L481	ET353899	6-TR102	ET364040	8-TR10
EO351868	6-L401	EO403270J	6-L601	ET353899	6-TR402	ET364040	9-TR5
EO353900	7-L502	EO403270J	6-L602	ET353899	6-TR404	ET364040	9-TR17
EO354600	6-L406	EO403270J	6-L650	ET353899	6-TR405	ET364060	6-TR486
EO354600	6-L410	EO403270J	7-L501	ET353899	6-TR406	ET364060	19-TR27
EO357507	6-L402	EO403270J	7-L504	ET353899	6-TR484	ET364064	7-TR508
EO357507	6-L403	EO403270J	7-L505	ET353899	6-TR601	ET366365	14-TR1
EO357508	6-L404	EO403270J	7-L580	ET353899	6-TR695	ET366365	14-TR5
EO357508	7-L503	EO403270J	7-L701	ET353899	7-TR501	ET366365	14-TR9
EO360555	6-L407	EO403270J	19-L1	ET353899	7-TR580	ET366365	14-TR13
EO364062	7-VL502	EO403270J	20-L2	ET353899	7-TR710	ET366365	17-TR2
EO364063	7-VL501	EO403270J	21-L1	ET353899	7-TR711	ET366365	17-TR7
EO366893	23-FL2	EO403270J	22-L2	ET353899	8-TR2	ET370819	11-Q2
EO366893	23-FL3	EO403270J	23-L4	ET353899	8-TR13	ET370819	12-Q3
EO368617	6-L1B	EO403270J	23-L9	ET353899	8-TR14	ET370819	12-Q73
EO373260	6-L1A	EO403270J	23-L13	ET353899	9-TR1	ET370819	12-Q74
EO376600	9-L1	EO408381J	14-L1	ET353899	9-TR11	ET373985	6-TR307
EO376601	9-L12	EO408381J	14-L2	ET353899	9-TR12	ET373985	6-TR308
EO376601	23-L3	EO408381J	14-L3	ET353899	19-TR19	ET373985	6-TR309
EO376602	23-L11	EO408381J	14-L4	ET354364	9-TR15	ET375777	6-TR4
EO376602	23-L12	EO714610	13-L5	ET354414	6-TR2	ET381175J	17-TR1
EO376603	9-L4	EO714613	12-L5	ET354414	6-TR5	ET381637J2	10-PH1
EO376603	23-L6	EO714614	13-L4	ET354414	6-TR10	ET388338J	6-TR6
EO376605	9-L14	EO725955J	13-L3	ET354414	6-TR11	ET388338J	6-TR205
EO376606	8-L7	EO729783J	12-L3	ET354414	6-TR104	ET388338J	6-TR481
EO376606	23-L7	EO729784J	11-L2	ET354414	6-TR106	ET388338J	6-TR483
EO376609	23-L8	EO729784J	12-L4	ET354414	6-TR301	ET389803J	15-TR3
EO376612	8-L6	EO732670J	12-L76	ET354414	6-TR305	ET389803J	15-TR8
EO376612	9-L15	EO732671J	12-L75	ET354414	6-TR306	ET389803J	19-TR7
EO376614	9-L9	ER333091	14-R14	ET354414	6-TR310	ET389803J	19-TR10
EO376857	9-L3	ER400605J	14-FR3	ET354414	6-TR403	ET389803J	19-TR11
EO376858	8-L1	ER400605J	17-FR5	ET354414	6-TR408	ET389803J	19-TR20
EO376858	9-L2	ER400689J	14-FR4	ET354414	6-TR413	ET389803J	23-TR8
EO376859	8-L4	ER400728J	14-FR1	ET354414	6-TR607	ET389803J	23-TR17
EO376860	8-L14	ER400728J	17-FR2	ET354414	7-TR503	ET389803J	23-TR19
EO376860	9-L7	ER400728J	17-FR4	ET354414	7-TR504	ET389803J	23-TR20
EO376861	23-L5	ER400729J	6-FR350	ET354414	7-TR703	ET389803J	23-TR21
EO380091J1	15-L10	ER400959J	6-FR201	ET354414	7-TR712	ET389803J	23-TR22
EO381187J	12-L1	ER403405J	6-R214	ET354414	8-TR11	ET390009J	4-19
EO381189J	11-L4	ER404093J	6-FR401	ET354414	9-TR6	ET390010J	4-18
EO381189J	12-L71	ER405441J	14-FR5	ET354414	9-TR20	ET390826J	27-TR1
EO381189J	12-L72	ER408375J	14-FR2	ET354414	10-TR1	ET390826J	29-TR1
EO381195J	8-L3	ER408375J	17-FR1	ET354414	23-TR9	ET394881J	6-TR105
EO381195J	9-L13	ER408375J	17-FR3	ET354414	23-TR14	ET394881J	6-TR107
EO381196J	6-L301	ES349474	10-SW2	ET354414	23-TR24	ET396072J	6-TR18
EO386541J	14-L6	ES349474	10-SW3	ET354414	23-TR25	ET396072J	6-TR21
EO387781J	12-L73	ES349474	10-SW4	ET354414	23-TR26	ET397160J	6-TR13
EO387782J	6-L409	ES349474	10-SW5	ET354414	23-TR27	ET397160J	6-TR16
EO387782J	6-L412	ES349474	10-SW6	ET354414	23-TR28	ET397160J	6-TR17
EO387782J	12-L2	ES349474	10-SW7	ET354415	6-TR3	ET397160J	6-TR101
EO387798J	13-L6	ES349474	10-SW8	ET354415	6-TR304	ET397160J	6-TR103

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
ET397160J	6-TR203	ET404195J	15-TR4	ML387345J	3-51	ZG387505J	24-11
ET397160J	6-TR302	ET405622J	6-TR19	ML387346J	3-53	ZG388290J1	3-52
ET397160J	6-TR401	ET405622J	6-TR210	ML387349J2	3-56	ZG392214J1	24-18
ET397160J	6-TR487	ET405622J	14-TR12	ML387350J1	3-47	ZG392294J	3-61
ET397160J	6-TR603	ET405622J	15-TR2	ML387402J1	4-3	ZG392831J	3-46
ET397160J	6-TR604	ET405622J	15-TR7	ML387423J	3-6	ZG395567J	3-42
ET397160J	7-TR502	ET405622J	17-TR3	ML387428J	3-39	ZG403098J	29-1
ET397160J	7-TR505	ET405622J	17-TR4	ML387431J1	3-31	ZG403099J	29-2
ET397160J	7-TR506	ET405622J	17-TR5	ML390768J4	3-25	ZG403100J1	28-10
ET397160J	7-TR507	ET405622J	17-TR6	ML391745J3	3-41	ZG406719J	26-5
ET397160J	7-TR510	ET713614	13-Q2	ML404944J	4-2	ZG406720J	27-1
ET397160J	7-TR581	ET725820J	11-Q1	MP404852J	3-27	ZG406722J	27-2
ET397160J	7-TR701	ET725820J	11-Q51	MR387286J1	3-18	ZS321298	2-3
ET397160J	7-TR702	ET725820J	12-Q1	MR387406J	4-35	ZS321298	3-15
ET397160J	7-TR704	ET725820J	12-Q51	MR391968J	4-33	ZS336714	2-12
ET397160J	7-TR705	ET725820J	13-Q1	MT390954J1	3-9	ZS336714	3-22
ET397160J	7-TR706	ET730419J	11-Q52	MZV1102A090A	4-25	ZS344754	2-14
ET397160J	7-TR707	ET730419J	12-Q2	MZV1102A100A	4-26	ZS344754	3-16
ET397160J	7-TR708	ET732638J	12-Q4	MZ387298J3	4-7	ZS357946	24-17
ET397160J	7-TR709	ET732638J	12-Q71	MZ387330J	4-32	ZS358936	2-5
ET397160J	7-TR801	ET732638J	12-Q72	MZ387331J	4-29	ZS358936	3-59
ET397160J	8-TR1	EV356323	23-VR1	MZ387332J	4-28	ZS358936	4-41
ET397160J	8-TR3	EV390157J	8-VR2	MZ387333J	4-30	ZS358936	24-9
ET397160J	8-TR5	EV390157J	9-VR2	MZ387335J	3-40	ZS362378	24-7
ET397160J	8-TR8	EV403967J	7-VR801	MZ387430J	4-21	ZS365149	4-10
ET397160J	8-TR12	EV403968J	7-VR802	MZ387445J	4-22	ZS373962	24-12
ET397160J	8-TR16	EV404297J	6-VR401	MZ387446J	4-23	ZS374389	28-17
ET397160J	9-TR2	EV404298J	11-VR51	MZ402760J1	3-17	ZS374458	3-38
ET397160J	9-TR7	EV404298J	12-VR51	MZ406134J	3-58	ZS378341	24-10
ET397160J	9-TR8	EV404298J	13-VR2	SA387507J	24-8	ZS379350	2-11
ET397160J	9-TR9	EV404299J	6-VR405	SC387353J	24-6	ZS385611J	24-15
ET397160J	9-TR14	EV404300J	6-VR403	SC406730J	28-14	ZS389950J	4-40
ET397160J	9-TR21	EV404300J	6-VR650	SC407425J	26-7	ZS391046J	24-16
ET397160J	14-TR16	EV404301J	11-VR1	SE395554J	3-57	ZS404844J	3-14
ET397160J	19-TR13	EV404301J	12-VR2	SE403111J	28-7	ZS425981	4-36
ET397160J	19-TR14	EV405243J	7-VR501	SE409020J1	24-2A	ZS464703	3-28
ET397160J	19-TR18	EV405248J	8-VR3	SE409021J1	24-2B	ZS467796	2-9
ET397160J	19-TR25	EV405248J	9-VR3	SE409021J1	24-2C	ZS563444	2-7
ET397160J	19-TR26	EV405657J	6-VR402	SE409193J	24-2E	ZW332843	3-30
ET397160J	19-TR28	EV405657J	6-VR406	SE409194J	24-2F	ZW374445	3-19
ET400218J	19-TR4	EV405657J	11-VR2	SE409261J	24-2D	ZW387492J	4-8
ET400218J	19-TR6	EV405657J	12-VR1	SE409322J	24-2G	ZW389814J	3-8
ET400218J	19-TR8	EV405657J	12-VR71	SP403096J1	28-16	ZW389923J	4-6
ET400218J	19-TR9	EV405658J	13-VR51	SP404857J	20-1	ZW401776J	3-34
ET400218J	19-TR12	EV405659J	6-VR404	SP404858J	22-1		
ET400218J	19-TR15	EV405665J	6-VR301	SP406731J	28-15		
ET400218J	19-TR16	EW389313J	4-20	SP407479J	24-14		
ET400218J	19-TR17	EW389313J	10-WP2	SZ387388J	2-4		
ET400218J	19-TR22	EW394623J	10-WP1	SZ401874J	24-4		
ET400218J	19-TR23	EW403256J1	8-WP1	SZ407187J2	3-24		
ET400218J	20-TR1	EW403385J1	9-WP1	VT387394J1	3-37		
ET400218J	20-TR2	EW404002M	24-20	VT401282J	2-13		
ET400218J	20-TR3	EW404137J	6-WF201B	ZG373900	3-12		
ET400218J	20-TR24	EW404138J1	6-WF201A	ZG387272J	3-26		
ET400218J	21-TR12	EX405691J	9-TH1	ZG387282J	3-33		
ET400218J	21-TR17	HE390013J	3-20	ZG387320J	3-3		
ET400218J	21-TR22	HR405340J	3-13	ZG387323J	3-5		
ET400218J	22-TR2	MA387474J3	2-6	ZG387348J1	3-49		
ET400218J	23-TR2	MB387289J	4-11	ZG387354J	24-13		
ET400218J	23-TR3	MB403107J	28-5	ZG387370J	24-3		
ET400218J	23-TR6	MB406738J	28-6	ZG387403J	4-5		
ET400218J	23-TR7	MB407424J	26-2	ZG387413J1	4-27		
ET400218J	23-TR12	MI387294J	3-10	ZG387417J	3-44		
ET400218J	23-TR13	ML387277J3	3-32	ZG387418J	3-45		
ET400218J	23-TR16	ML387311J2	4-42	ZG387420J1	3-55		
ET400218J	23-TR18	ML387316J	3-1	ZG387421J	3-50		
ET400218J	23-TR23	ML387318J	3-2	ZG387438J1	3-11		
ET400218J	23-TR29	ML387321J	3-4	ZG387443J	4-34		
ET400218J	23-TR30	ML387324J1	4-1	ZG387467J	3-7		
ET401247J	19-TR21	ML387344J	3-54	ZG387468J	4-4		

AKAI

MODEL VS-F260SK
MODEL VS-F265SEG, F266SEG, F275SEG
MODEL VS-F340S, F345SEG, F375SEG

SCHEMATIC DIAGRAMS
AND PC BOARDS

TABLE OF CONTENTS

I. BLOCK DIAGRAMS
1. OPERATION & SYSCON 3
2. VIDEO 4
3. AUDIO 5
4. SERVO 6
5. VS-F260SK, F265SEG, F266SEG, F275SEG PRE AMP 7
6. VS-F340S, F345SEG, F375SEG PRE AMP 8

II. SCHEMATIC DIAGRAMS AND PC BOARDS
1. CONNECTION DIAGRAM 9
2. VS-F260SK POWER SUPPLY & DIODE 11
3. EXCEPT VS-F260SK POWER SUPPLY (1), (2) & DIODE 13
4. MAIN (A) 1/3 14
5. MAIN (A) 2/3 15
6. MAIN (A) 3/3 16
7. MAIN (B) 18
8. VS-F260SK, F265SEG, F266SEG, F275SEG PRE AMP 20
9. VS-F340S, F345SEG, F375SEG PRE AMP 22
10. OPERATION (A) 24
11. CANAL PLUS (A) & (B) 27
12. EXCEPT VS-F260SK, F340S SEG 28
13. VS-F260SK, VIF UNIT 31
14. VS-F340S VIF UNIT 32
15. EXCEPT VS-F260SK, F340S VIF UNIT 35
16. RC-V250F REMOTE CONTROL UNIT 36
17. RC-V252F REMOTE CONTROL UNIT 39

III. INFORMATION OF ICs 40

Use these schematic diagrams and PC boards together with the provided service manual.

Utiliser les schémas de principe et les cartes PC suivants en même temps que le manuel de service fourni.

OPERATION (A) PCB

MODE / OUTPUT	EJECT	STOP (TAPE LOADED)	PAUSE/PLAY		PLAY		REVIEW		CUE		FF	REW	POWER OFF (WITH CASSETTE)
			A	B	A	B	A	B	A	B			
RSW 4	H (5V)	L	L	L	L	L	L	H	L	L	L	L	H
RSW 3	L (0V)	L	H	H	L	H	H	H	H	H	L	L	H
RSW 2	L	L	L	L	H	L	H	H	L	L	H	H	L
RSW 1	L	H	H	L	L	H	L	L	L	H	H	H	L

(A: 2 VIDEO HEADS MODEL
B: 3 VIDEO HEADS MODEL)

IC301
MN675121 (2 VIDEO HEADS MODEL)
MN675201 (3 VIDEO HEADS MODEL)
(SERVO/SYSCON MI-COM)

ENV.SW 84
ENV.DET 70
V.SYNC 64
C.ROT 82
$\overline{VJ}$ 81
$\overline{TRICK}$ 40
$\overline{PB}$ 37
$\overline{EE}$ 38
TUNE 1
$\overline{REC.S}$ 3
B/W 6
→ VIDEO CIRCUIT CONTROL

AUDIO CIRCUIT CONTROL ←
2 $\overline{A.EE}$
80 $\overline{SP/LP}$
78 $\overline{EXT}$
36 A.MUTE

IC302 BA6229 MOTOR13V
LM-FWD 15 FORWARD
LM-RVS 14 REVERSE
LM+
LM-
LOADING MOTOR
7, 5V
REG VOL
10V
TR306
$\overline{TRQ\ UP}$ (TORQUE UP) 16

18 SI
17 SCK
19 SO
8 SRDY

20 $\overline{RESET}$

REC SAFETY SW (ON → REC ENABLE)
REC.SAF 7
IDL5V

SENSOR (S) PCB
START SENSOR
D1
END SENSOR
TR4
ES (END SENSOR) 71
SS (START SENSOR) 72

TAKE UP REEL PULSE GENERATOR
D2
TR2
TRP (TAKE UP REEL PULSE) 65

RSW1 ~ RSW4 4 10 ~ 13
MODE SW (MECHA POSITION) DETECT

401)
IDL 12V
IDL 5V
NR16

MAIN (A) PCB

SENSOR PCB

MECHA FRAME

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
OPERATION & SYSCON
BLOCK DIAGRAM

No.6-1 V114751M
A2

PB V.OUT

EE/REC V.OUT

PB

REC

PB

REC

PB

REC FM SIGNAL IN

SWITCHING PULSE

PB

PAL V. IN

SECAM V. IN

1.07MHz BELL FILTER (PB)

X2 OUT (PB)

4.43MHz BELL FILTER REC/EE

ANT BELL FILTER (PB)

BPF OUT (PB)

BPF IN (PB)

BPF IN (PB)

BPF OUT (REC)

BPF OUT (PB)

CANAL PLUS (A) & (B) PCB

MAIN (B) PCB

BPF OUT (REC)

BPF OUT (PB)

BPF IN (PB)

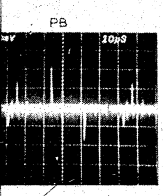
BPF IN (REC)

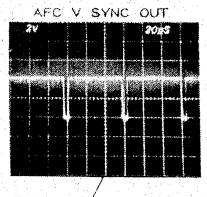
REC LOW CHROMA

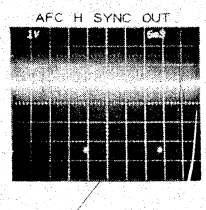
SECAM V. IN

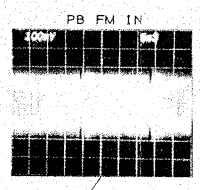
PB LOW CHROMA

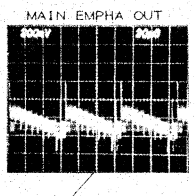
COMP IN (PAL)

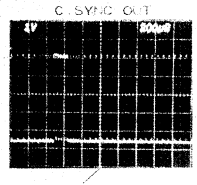


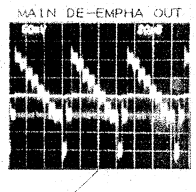


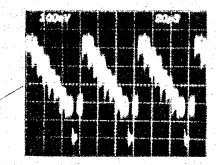






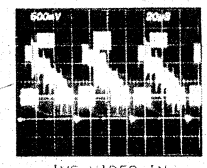




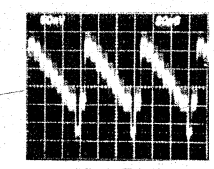


LPF IN (REC)

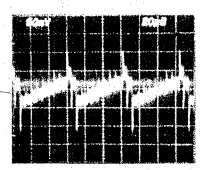
LPF IN (PB)



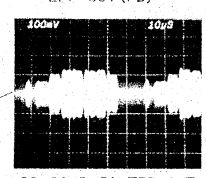
IMS VIDEO IN



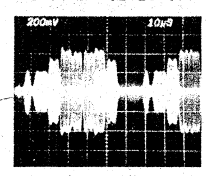
LPF OUT (REC)



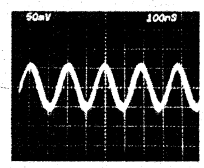
LPF OUT (PB)



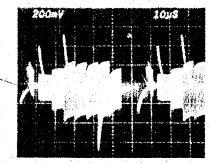
PB COMB FILTER OUT



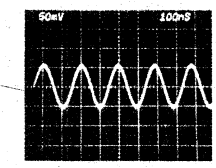
PB CHROMA OUT



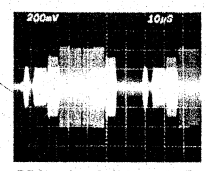
PEC/PB SUB CONV OUT



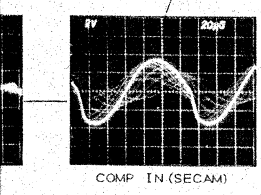
REC CHROMA IN



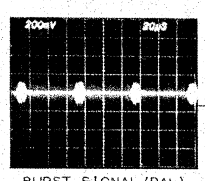
REC/PB SUB CONV IN



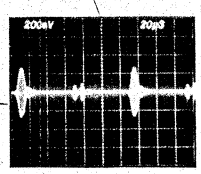
REC LOW CHROMA OUT (PAL)



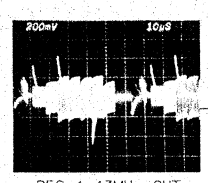
COMP IN (SECAM)



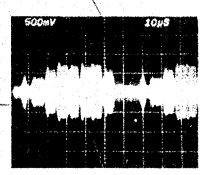
BURST SIGNAL (PAL)



BURST SIGNAL (SECAM)



REC 4.43MHz OUT



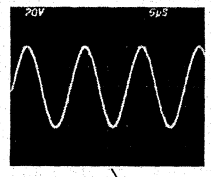
PB 4.43MHz OUT

: PB Y SIGNAL LINE
: REC Y SIGNAL LINE
: PB CHROMA SIGNAL LINE
: REC CHROMA SIGNAL LINE

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
VIDEO BLOCK DIAGRAM

No.6-2 V114752M
A0

BIAS OSC



OSC POWER SUPPLY

TR801

FL801

BIAS OSCILLATOR

FULL TRACK ERASE

WP802

1 FULL ERASE

2 GND

VR802 BIAS LEVEL

SIDE TRACK ERASE

WP801

1 SIDE ERASE

3 GND

AUDIO REC/PB

2 AUDIO REC

4 AUDIO PB

IC801 BA7765AS

PB

O REC

N.C

EQ1

120K

REC

VREG

IDL 9V

VCC

VCC

REC 9V

R803~5, C805

PB.EQ

EQ2

REC CTRL

A.REC START

ALC REF LEVEL CONT

VR801 PB LEVEL

A·EE

EE

LINE

ALC

36dB

20dB

REC

2.2K

HIGH RANGE REC EQ

EQ1

EQ2

SP/LP

EQ1+EQ2

A.MUTE

R814~6, C812~4

100K

MUTE

0dB

BF

TWIN T fH TRAP

P101

P1

MAIN (A) PCB

FROM OPERATION MI-COM

P3

TV/

DEC

P2

FROM MAIN (A) PCB SYSCON MI-COM (IC301)

A

B

SP

A.MUTE

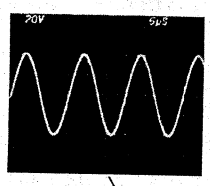
A.REC

A.EE

FROM MAIN (A) PCB SYSCON MI-COM (IC301)

MAIN (B) PCB

BIAS OSC



FULL TRACK ERASE

SIDE TRACK ERASE

AUDIO REC/PB

WP802
1 FULL ERASE
2 GND

WP801
1 SIDE ERASE
3 GND
2 AUDIO REC
4 AUDIO PB

VR802 BIAS LEVEL

OSC POWER SUPPLY

TR801

FL801

BIAS OSCILLATOR

IC801 BA7765AS

N.C

EQ1

120K

PB

REC

VREG

IDL 9V

VCC

VCC

REC 9V

R803~5, C805

PB.EQ

EQ2

REC CTRL

A.REC START

ALC REF LEVEL CONT

VR801 PB LEVEL

A·EE

EE

LINE

36dB

ALC

20dB

2.2K

EQ1

EQ2

HIGH RANGE REC EQ

EQ1 ← SP/LP

EQ1+EQ2

A.MUTE

MUTE

0dB

BF

R814~6, C812~4

100K

TWIN T fH TRAP

P1

P101

SK

MAIN (A) PCB

FROM OPERATION MI-COM

P3

P2

FROM MAIN (A) PCB SYSCON MI-COM (IC301)

SP

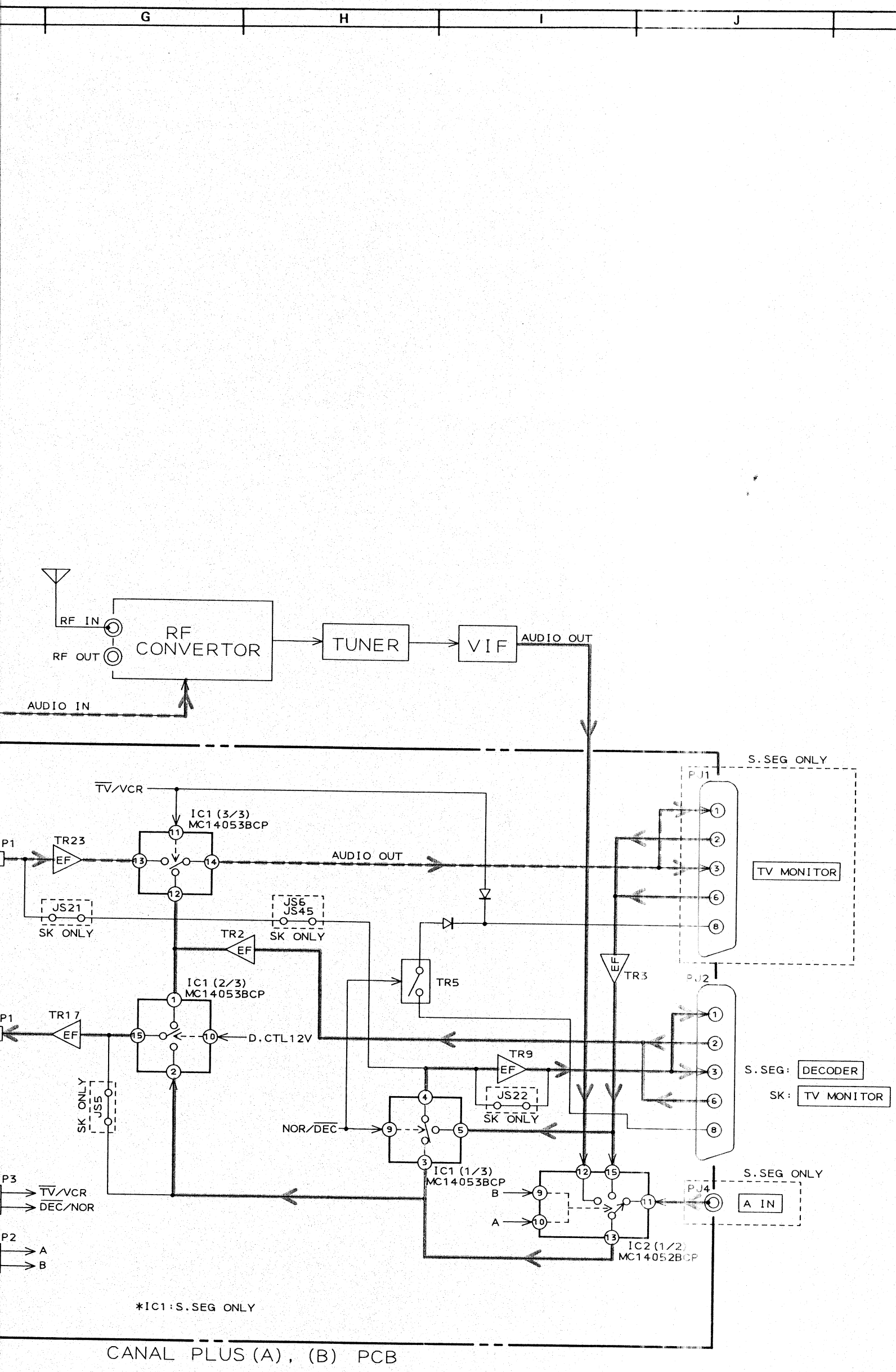
A.MUTE

A.REC

A.EE

FROM MAIN (A) PCB SYSCON MI-COM (IC301)

MAIN (B) PCB



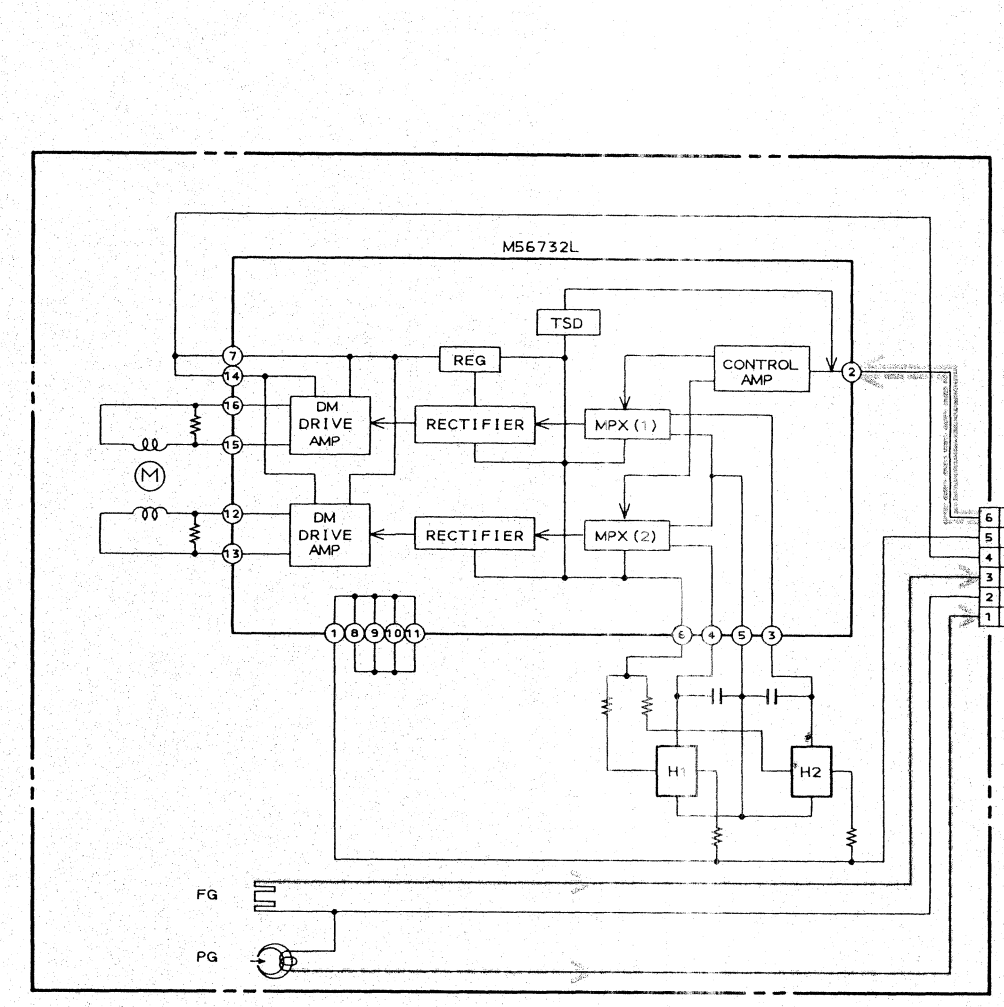
CANAL PLUS (A), (B) PCB

: AUDIO PB SIGNAL LINE

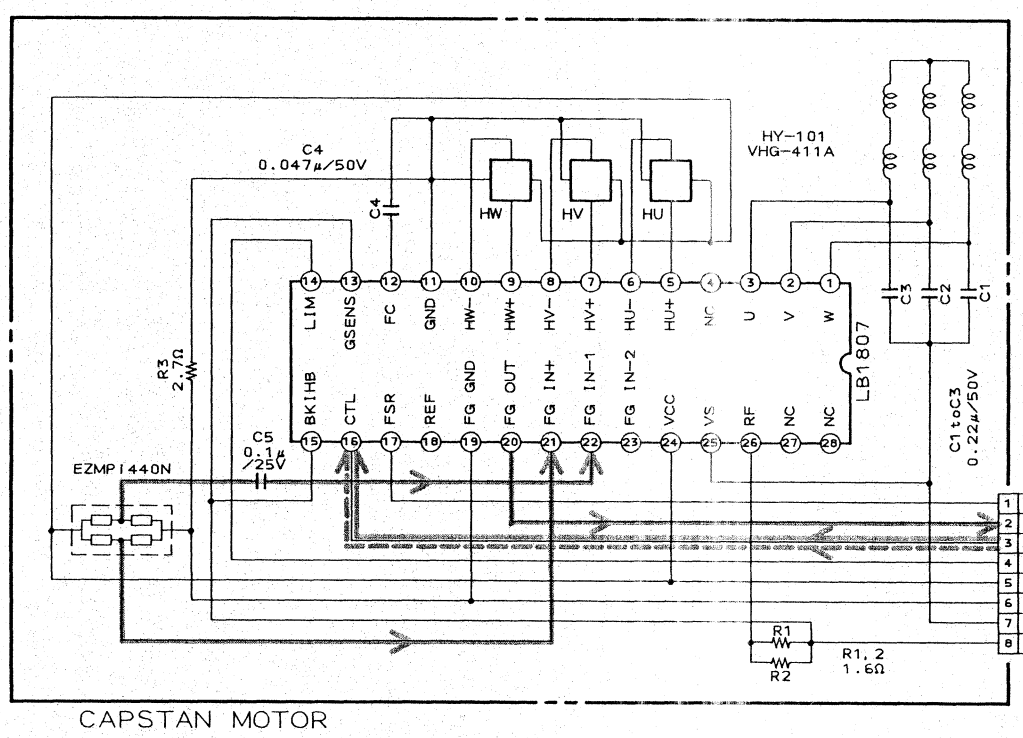
: AUDIO REC SIGNAL LINE

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
AUDIO
BLOCK DIAGRAM

No.6-3 V114756M
A1

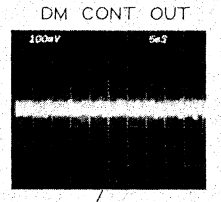


DRUM MOTOR



CAPSTAN MOTOR

DM CONT OUT



M. GND MOTOR 13V

1Ω

P301

6	CONT	6
5	M. GND	5
4	DM POW	4
3	DM FG	3
2	GND	2
1	DM PG	1

DRUM MOTOR SPEED & PHASE CONTROL

TR302

DRUM FG SIGNAL

DRUM PG SIGNAL

CONTROL HEAD

2	CTL+	2
1	CTL−	1

CAPSTAN FG SIGNAL

IC303 1/2
BA15218N

P302

1	FWD/REV	1
2	FG	2
3	CONT	3
4	LIMIT	4
5	VCC	5
6	GND	6
7	CM. POWER	7
8	P. GND	8

CAPSTAN MOTOR SPEED & PHASE CONTROL

IC303 2/2

+5V

P. GND

NFB

TR308

L: ON

C.M

(TO

TR205
CURRENT CONT

MOTOR 13V

: CAPSTAN MOTOR SPEED CONTROL LINE

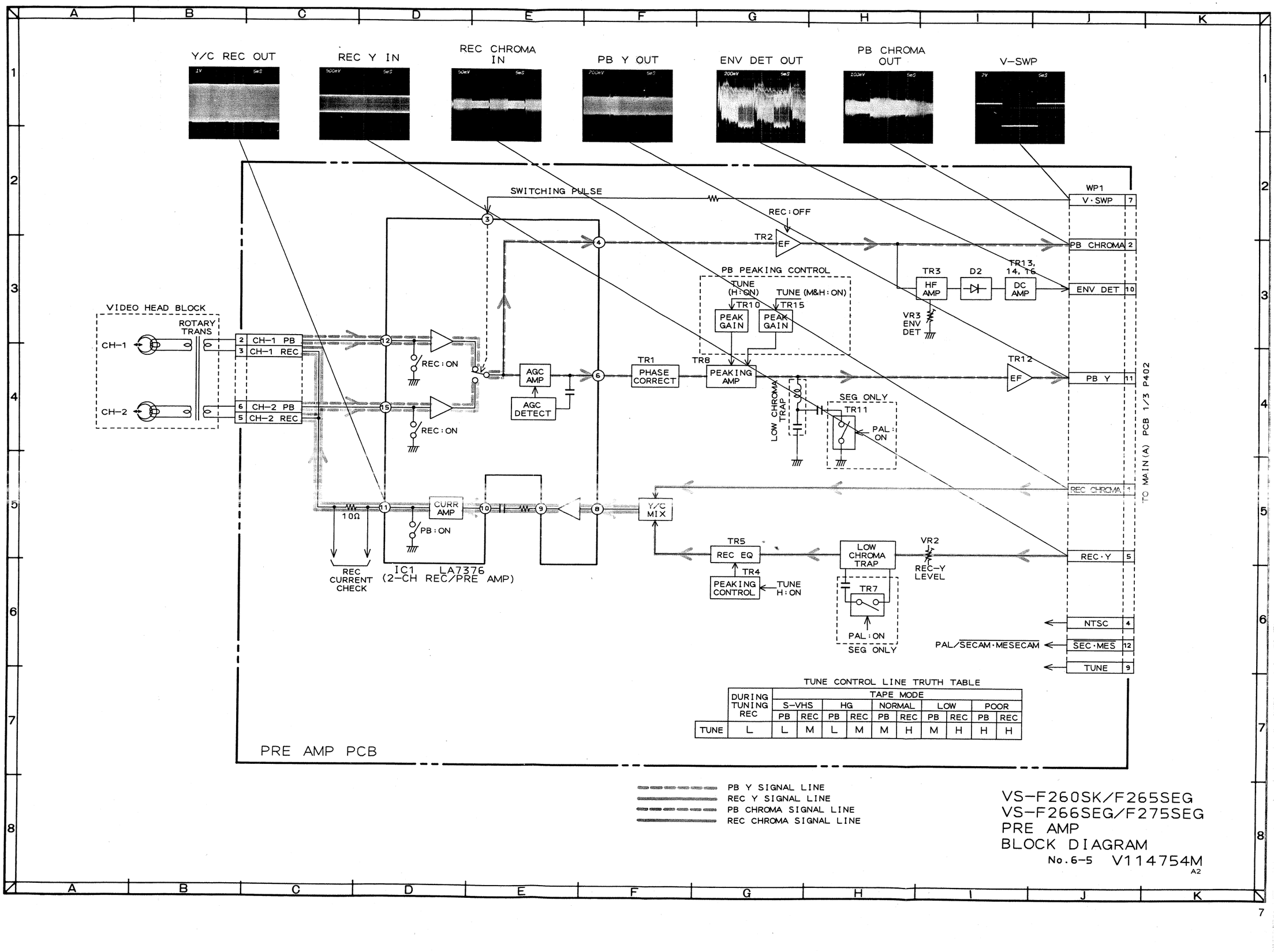
: CAPSTAN MOTOR PHASE CONTROL LINE

: DRUM MOTOR SPEED CONTROL LINE

: DRUM MOTOR PHASE CONTROL LINE

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
SERVO
BLOCK DIAGRAM

No.6-4 V114753M
A1

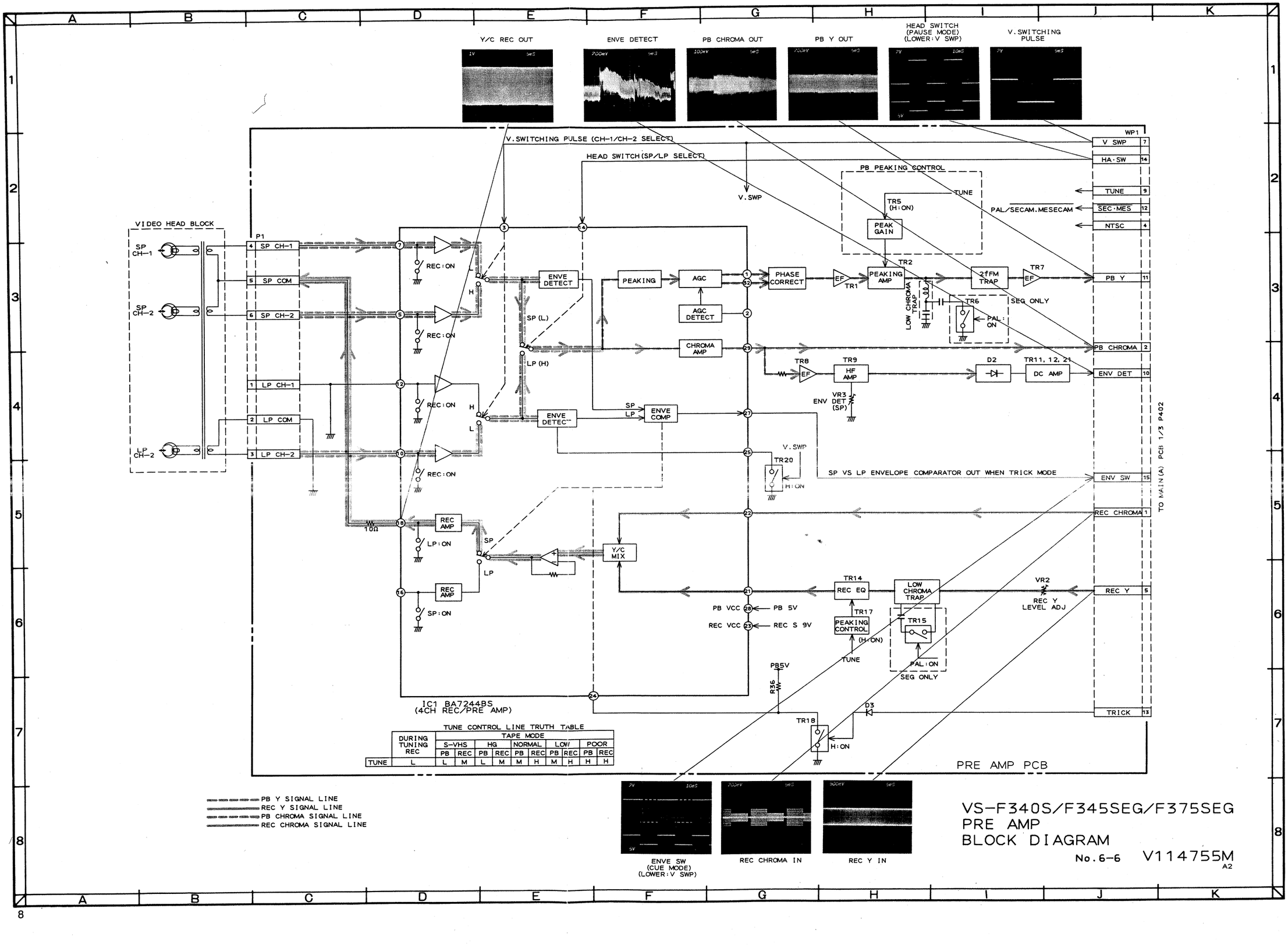


TUNE CONTROL LINE TRUTH TABLE

	DURING TUNING REC	TAPE MODE									
		S-VHS		HG		NORMAL		LOW		POOR	
		PB	REC	PB	REC	PB	REC	PB	REC	PB	REC
TUNE	L	L	M	L	M	M	H	M	H	H	H

PB Y SIGNAL LINE
REC Y SIGNAL LINE
PB CHROMA SIGNAL LINE
REC CHROMA SIGNAL LINE

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
PRE AMP
BLOCK DIAGRAM
No.6-5 V114754M
A2



TUNE CONTROL LINE TRUTH TABLE

	DURING TUNING REC	TAPE MODE									
		S-VHS		HG		NORMAL		LOW		POOR	
		PB	REC	PB	REC	PB	REC	PB	REC	PB	REC
TUNE	L	L	M	L	M	M	H	M	H	H	H

PB Y SIGNAL LINE
REC Y SIGNAL LINE
PB CHROMA SIGNAL LINE
REC CHROMA SIGNAL LINE

ENVE SW (CUE MODE) (LOWER: V SWP)

REC CHROMA IN

REC Y IN

VS-F340S/F345SEG/F375SEG
PRE AMP
BLOCK DIAGRAM

No. 6-6 V114755M
A2

DIODE PCB
V1130B505C
(EXCEPT SK)

WF1

POWER
SUPPLY (1) PCB
V1130B505A
(EXCEPT SK)

POWER
SUPPLY (2) PCB
V1130B505B
(EXCEPT SK)

P1
GND
OPE 5V
IDL 5V
GND
OPE 12V
IDL 12V
MOTOR 13V
UNR 16V
+37V
−35V
AC4V
AC4V

DIODE PCB
V1130B508B
(SK ONLY)

POWER
SUPPLY PCB
V1130B508A
(SK ONLY)

SEG ONLY

SEG PCB
V1131B5020

P3 VIDEO.IN, GND
P2 PB.LC, GND, REC.LC, GND
P4 SECAM, TRICK, SP, C.SWP, MESECAM, SECAM J.A, SECAM J.B
P6 GND, V.FIL IN

WF201
GND
OPE 5V
IDL 5V
GND
OPE 12V
IDL 12V
MOTOR 13V
UNR 16V
+37V
−35V
AC4V
AC4V

VIDEO.OUT, GND
PB.LC, GND, REC.LC, GND
SECAM H, TRICK, SP, C.SWP, MESEC H, JUDGE A, JUDGE B
GND, V.FIL IN

WP101
WP902
WP903
SEG ONLY

2 VIDEO HEADS MODEL

VIDEO HEADS

P1
N.C
CH−1 PB
CH−1 REC
N.C
CH−2 REC
CH−2 PB

PRE AMP PCB
V1130B5100
(2 VIDEO HEADS MODEL)

P1
LP.CH−1
LP.COM
LP.CH−2
SP.CH−1
SP.COM
SP.CH−2

PRE AMP PCB
V1134B5030
(3 VIDEO HEADS MODEL)

3 VIDEO HEADS MODEL

WP1
REC.C
PB.C
GND
N.C
REC.Y
IDL 5V
V.SWP
RECS 5/9V
TUNE
ENV.DET
PB.Y
SEC.MES
TRICK
HA−SW
ENV−SW

3 VIDEO HEADS
2 VIDEO HEADS

P40
REC.LC
PB.LC
GND
N.C
REC.Y
IDL 5V
V.SWP
RECS 5/9
TUNE
ENV.DET
PB.Y
SEC.MES
TRICK
HA.SW
ENV.SW

P301
PG
GND
FG
DM POW
M.GND
CONT

DRUM MOTOR
P G
GND
F G
DM POW
M.GND
CONT

CAPSTAN
MOTOR
F/R
FG
CONT
LIMIT
IDL 5V
GND
CM.POW
P.GND

P302
F/R
FG
CONT
LIMIT
IDL 5V
GND
CM.POW
P.GND

MAIN(A) PCB
V1131A501A

CTL−
CTL+
WP801−2

AUDIO R/P HEAD
SIDE TRACK
ERASE HEAD
CTL HEAD

AUDIO PB
AUDIO REC
GND
SE.H
GND
CTL+

A/C HEAD PCB
V1102B5120

P303
S.SENS
RSW.1
RSW.2
RSW.3
RSW.4
IDL 5V
T.REEL.P
END.SEN
S.REEL.P
GND
LM+
LM−
REC.SAF

P304
−35V, GND, AC4V, PWM, BAND.B, P.DOWN, BAND.A, AFT−L, TV/VCR, AFT−H, AFT, BUP 5V, T.MUTE, AC4V, DEC

S.SEN, REW.1, REW.2, REW.3, REW.4, IDL 5V, T.REEL.P, END.SEN, S.REEL.P, GND, LM+, LM−, REC.SAF
WP1

MODE SELECT SW

P1
REW 4
REW 3
REW 2
REW 1
GND

REC SAFETY SW
LOADING MOTOR
RF−370C15370
J/W1
J/W2

TR4
T493F
TR2
D1
GL451
D2
GL4800
R1
1/6W 62

SENSOR PCB V1102A507A

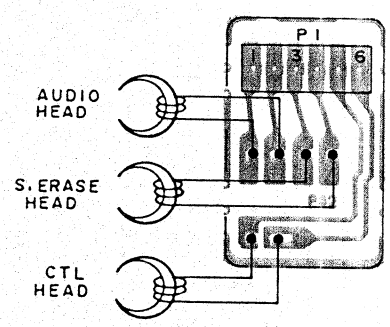
TR1
PN268

SENSOR (S) PCB
V1102A507B

OPERATI

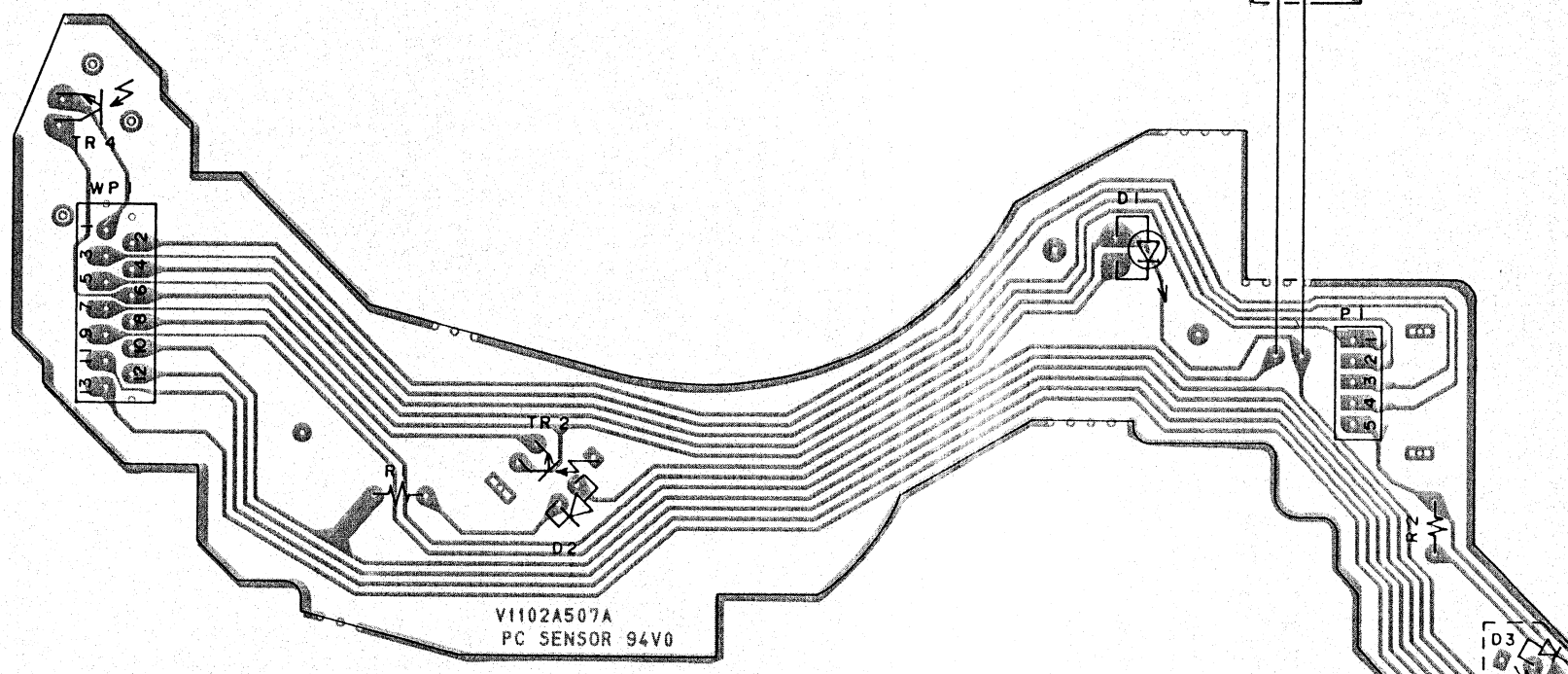
NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG
VS-F375SEG
CONNECTION DIAGRAM
No.17-1 V114701M
A1

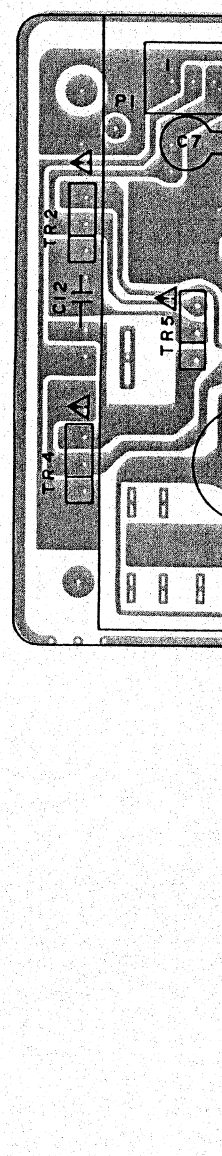


A/C HEAD PCB
V1102B5120(J1)

SENSOR(S) PCB
V1102A507B



SENSOR PCB V1102A507A

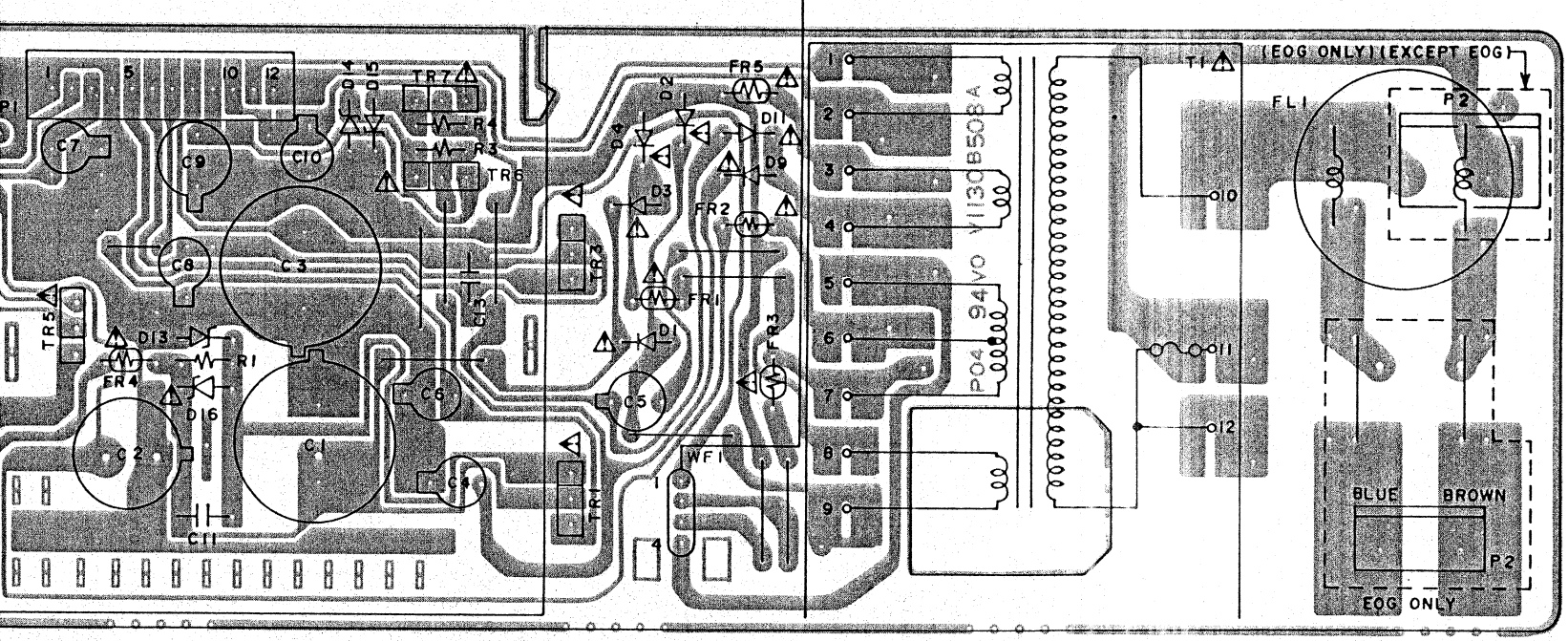


NOTE : PARTS DIFFER DEPENDING ON MODEL NUMBER. REFER TO SCHEMATIC DIAGRAMS FOR PERTAINING PARTS INFORMATION.

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

DIODE PCB
V1130B508B



POWER SUPPLY PCB V1130B508A(J3)

INDICATED VOLTAGES WERE MEASURED DURING E-E (STOP) MODE.

B (POWER SUPPLY) LINE

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W (J)
ALL CAPACITORS IN μF 50WV (M)

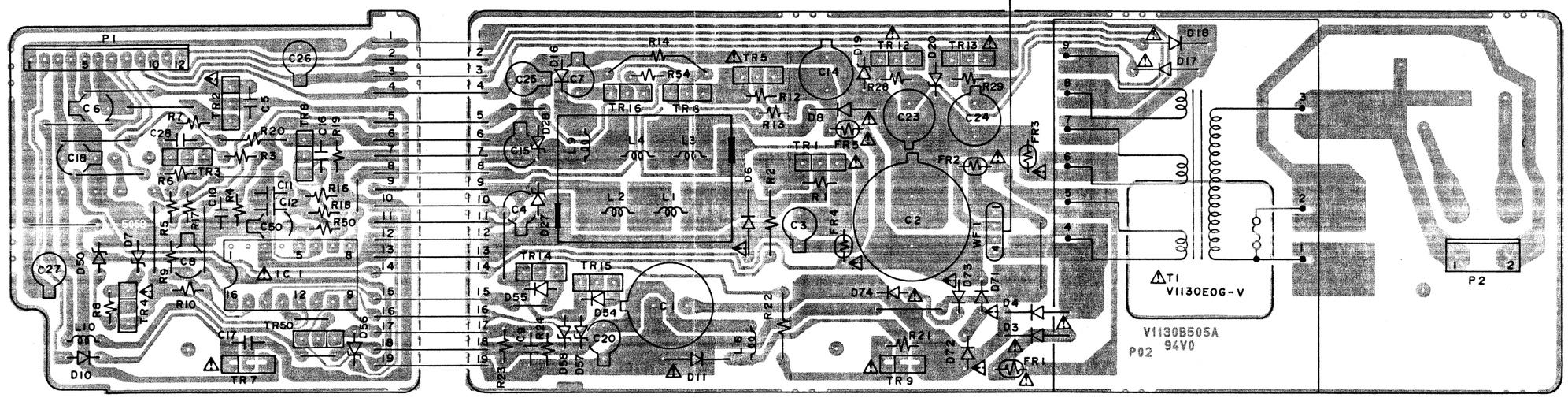
WARNING: ⚠ AND ▒ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER' S RECOMMENDED PARTS

AVERTISSMENT: ⚠ ET ▒, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L' APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

VS-F260SK
POWER SUPPLY & DIODE SCHEMATIC DIAGRAM

No.17-2 V114702M
A2

DIODE PCB
V1130B505C(J1)



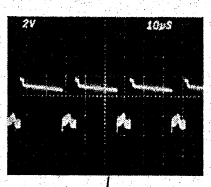
POWER SUPPLY(2) PCB
V1130B505B(J1)

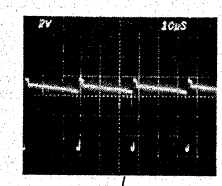
POWER SUPPLY(1) PCB V1130B505A(J1)

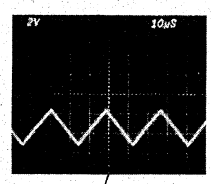
WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

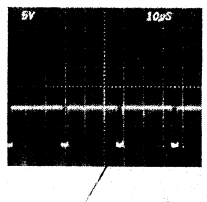
AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

A
B
C
D
E
F
1
2
3
4
5
6
7
8
10V 10μS
10V 10μS
T1
V1130EOGV
D18
1N4002
−50.4V
−33.1V
TR13
2SB1185 (E, F)
C24
33/63
LXF
R29
4.3K
33.7V
D20
MTZJ36A
TR12
2SD2061 (E, F)
D17
1N4002
50.8V
37.9V
C23
33/63
LXF
R28
4.3K
38.5V
D19
UTZJ39A
C25
1/50
FR3
15.0(G)
1/4W
C2
2200/50
KMG
FR4
0.68(K)
1/4W
TR1
2SB1185 (E, F)
31.2V
13.9V
L1
56μH
L2
56μH
C3
120/50
LXF
R1
220
31.0V
R2
1.2K
1/4W
D5
RB100A
C4
270/16
LXF
D71~D74
1N4002
FR5
0.27(K)
1/4W
D73
D71
D74
D72
TR14
DTC114TS
23.7V
6.1V
1SS131
6.7V
D55
TR5
2SB1185 (E, F)
31.3V
6.9V
L3
56μH
L4
56μH
C14
120/50
LXF
D8
RB100A
L9
470μH
R12
100
31.1V
TR6
2SB891
(Q.R)
7.2V
R14
36 2W
D16
1SS131
D28
HZS12B1
R13
360
31.1V
TR16
2SC3330
(S.T.U)
10.0V
R54
680
9.6V
D4
1N4002
D3
1N4002
C1
1000/50
KMG
31.8V
TR9
2SB1185
(E, F)
13.3V
31.7V
C15
270/16
LXF
FR1
0.12(K)
1/4W
R21
220
R22
1K 1/4W
29.4V
TR15
DTC114TS
6.7V
6.6V
1SS131
UTZJ10Cx2
D57
D58
D54
L6
100μH
D11
RB100A
C20
220/25
LXF
R23
5.1K (F)
C9
0.0056
R24
5.1K (F)
D27
HZS18-2
C7
22/16
R5
56K
TR50
DTC114ES
D56
0V
HZS16-Z
C10
0.001
C8
10/16
R9
130
D50
HZS6A
B2P−3−VH
2P
P2
AC220~230V 50Hz
FR1, 4, 5
RF25SC SERIES
FR2
RF25SCP SERIES
FR3
ERD2FC SERIES
FR2
0.12(K)
1/4W
WF1
WF1
D14
DBA20B
DIODE PCB
V1130B505C
POWER SUPPLY (1) PCB
V1130B505A
POWER
CAUTION
DO NOT TURN ON THE POWER WHILE THE FLAT CABLE IN THE POWER BLK IS DISCONNECTED AS THIS WILL DAMAGE THE POWER CIRCUIT. MAKE SURE THAT THE FLAT CABLE IS CONNECTED BEFORE TURNING ON THE POWER.







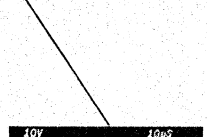


D50
HZS6A1L
TR4
2SC4486S, T
25.6V
10.0V
TR50
DTC114ES
1.6V
R8
4.7K
10.5V
D7
UTZJ10C
R5
R4
1.5K (F)
R3
5.1K (F)
C26
1/50
TR3
2SA933S (R, S)
13.7V
13.1V
R6
3K
13.7V
C28
0.01 (N)
TR2
2SD2061 (E, F)
13.7V
12.2V
C5
470P (K)
12.8V
R7
1.5K
C6
47/16
R10
12K
C8
10/16
R9
130
3.3V
0.1V
5.1V
1.6V
10.0V
5.6V
3.0V
IC1 BA5121
DRIVER
REQ
AMP
COM
OSC
ADD
1.0V
1.7V
5.7V
0.3V
2.6V
3.0V
8.7V
R50
220
C50
1/50
C12
0.0047
C11
0.002 P.P
L10
56μH
C27
100/25
TR7
2SD2061 (E, F)
6.7V
5.5V
6.2V
C18
47/10
D10
1SS131
C17
470P (K)
R19
9.1K
6.7V
6.1V
R20
1/4W 1.3K
TR8
2SA933S (R, S)
6.7V
C16
0.01 (N)
R16
2.2K (F)
R18
12K
R17
1.5K (F)

P1

AC 4V	12
AC 4V	11
−35V	10
+37V	9
UNR	8
MOTOR 13V	7
IDL 12V	6
OPE 12V	5
GND	4
IDL 5V	3
OPE 5V	2
GND	1

TO MAIN (A) PCB 3/3 WF201



POWER SUPPLY (2) PCB V1130B505B

WARNING: ⚠ AND ▭ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSMENT: ⚠ ET ▭, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

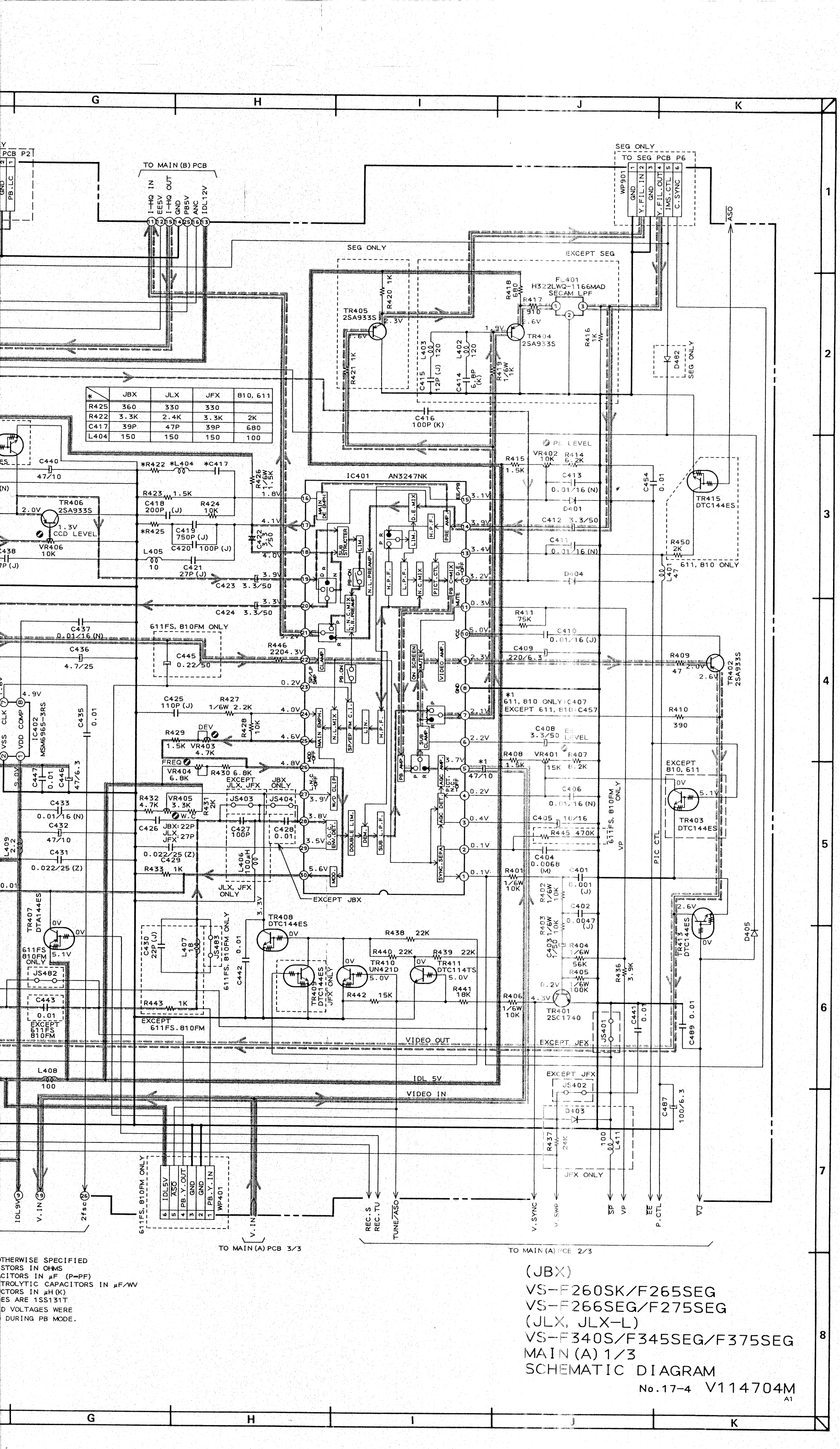
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W (J)
ALL CAPACITORS IN μF 50 WV (M)

* INDICATED VOLTAGE WERE MEASURED DURING E-E MODE.
* PHOTOGRAPHS WERE TAKEN DURING E-E MODE. THE SCREEN'S FIRST LINE FROM THE BOTTOM IS DC 0V.

▭ : B (POWER SUPPLY) LINE

VS-F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
POWER SUPPLY (1), (2) & DIODE
SCHEMATIC DIAGRAM
No.17-3 V114703M
A2

SEG ONLY
TO SEG PCB P4
SECAM.J.B
SECAM.J.A
MESECAM
C.ROT
SP
TRICK
SECAM
WP903
TO PRE AMP PCB WP1
P402
FE.GND
SP
PB5V
ENV.SW
HA.SW
TRICK
IMS.CTL
PB.Y
ENV.DET
TUNE
REC.SS/9
V.SWP
IDL5V
REC.Y
N.C
GND
PB.LC
REC.LC
JBX
JLX
JFX
SEG ONLY
TO SEG PCB
WP902
GND
REC.LC
GND
PB.LC
S.SK ONLY
R484 10K
R485 10K
C491 0.022/25
C453 0.01
C451 0.01
C490 0.01
C448 0.01
TR484 2SA933S
TR482 DTA144ES
TR483 2SB1425
R483 470
R482 10K
L481 100
JLX.JFX ONLY
TR481 2SB1425
C450 0.01
R480 3.3K
D480 UTZJ 5.6C
R481 10K
FR401 1/2W 0.56
C480 100/6.3
C481 0.01
JS481
JBX.JLX ONLY
L480 100
JFX ONLY
IC603 BU4013
JS480
JLX ONLY
L650 100
C452 0.01
JLX ONLY
TR495 DTC144ES
C439 0.01/16 (N)
R435 1.8K
FL402 MVV-23R
LPF
C436 47P
R434 680
L410 100μH
L412 2.2
L409 2.2
C444 0.0
TO MAIN (A) PCB 2/3
SP
SECAMJ.B
SECAMJ.A
MESECAM /SECAM
C.ROT
TRICK
SECAM /AUTO
PB
EE
ANC
ENV.SW
HA.SW
ENV.DET
TUNE
IC602 LVA519S
COMP
GND
VCC
VCO
C485 0.33/50
TR485 DTC114TS
R491 3.3K
C655 0.1
R655 1M
R654 10K
R653 27K
R652 2.7K
R651 3.9K
R650 2K
VR650 4.7K
C658 0.022/25
C654 1/50
C653 3300 (M)
C652 560P (M)
C651 0.01
C650 100/6.3
C656 390P
AFC
C657 390P
R656 560
R657 560
R490 6.8K
TO MAIN (A) PCB 3/3
V.OUT
R604 390
C602 0.01
C601 100/6.3
R489 24K
C488 22P CH
TR487 2SC1740
TR603 2SC1740
R607 4.7K
R608 3K
R609 51K
D601
R610 10K
R611 4.7K
R605 10K
R606 47
IC601 UPD6450CX-515
TR601 2SA933S
R601 10K
R602 10K
R603 10K
C609 0.01
C608 220/6.3
BUSY
CLK
STB
SI
VDD
CK.OUT
L.OUT
L.IN
VSS
V.IN
V.OUT
VVL
VBL
VCL
H.SYNC
V.SYNC
X.OUT
X.IN
C603 10/16
C604 0.01
R615 1.5K
R616 1K
R614 1.6K
R613 1.8K
X601 17.73MHz
C611 24P (CH)
C612 24P (CH)
C613 33P
VC614 IMS 30P
L604 33
L601 100
L602 100
C606 0.1
TR605 DTA114ES
C610 100/6.3
TR604 2SC1740
R612 2.2K
L603 33
C605 39
C607 0.1
R617 3.6K
TR606 DTA114ES
D602
TR607 DTC144ES
C449 0.01
S.SK ONLY
TO MAIN (A) PCB 2/3
SP
A.MUTE
A.REC
B/W
A.EE
SYS.SO
RESET
S.READY
SYS.SI
SYS.CLK
TR486 DTC143ES
R488 10K
D481
R492 160
TR695 2SA933S
R695 100K
C695 150P
R486 4.7K
P401
NC
IMS.STB
IMS.CLK
IMS.SO
D.GND
SYS.CLK
SYS.SI
C.SYNC
S.READY
RESET
SYS.SO
IDL5V
B.G.T/L
TO OPERATION (A) PCB WP2
B.G.T/L
IDL5V
IDL9V
IDL12V
GND
TO MAIN (A) PCB 3/3
A.MUTE
SP
A.EE
B/W
PB.HC
PB.LC
REC.LC
C.SYNC
GND
GND
GND
GND
IDL5V
TO MAIN (B) PCB
MAIN (A) PCB 1/3
V1131A501A
: B (POWER SUPPLY) LINE
: PB Y SIGNAL LINE
: REC Y SIGNAL LINE
: PB CHROMA SIGNAL LINE
: REC CHROMA SIGNAL LINE
WARNING: ⚠ AND ▭ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS
AVERTISSMENT: ⚠ ET ▭, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L' APPAREIL, NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT
NOTE:
UNLESS OTHE
ALL RESISTO
ALL CAPACIT
ALL ELECTRO
ALL INDUCTO
ALL DIODES
INDICATED V
MEASURED DU



OTHERWISE SPECIFIED
STORS IN OHMS
CITORS IN μF (P=PF)
TROLYTIC CAPACITORS IN μF/WV
CTORS IN μH (K)
ES ARE 1SS131T
D VOLTAGES WERE
DURING PB MODE.

*	JBX	JLX	JFX	810, 611
R425	360	330	330	
R422	3.3K	2.4K	3.3K	2K
C417	39P	47P	39P	680
L404	150	150	150	100

(JBX)
VS-F260SK/F265SEG
VS-F266SEG/F275SEG
(JLX, JLX-L)
VS-F340S/F345SEG/F375SEG
MAIN (A) 1/3
SCHEMATIC DIAGRAM

No.17-4 V114704M
A1

TO MAIN (A) PCB (3/3)

T.MUTE, PWM, BAND.B, BAND.A, AFT, AFT-H, TV/VCR, AFT-L, DEC, EXT, EXT2, B/T, IDL9V, DM.POW, P.GND, IDL5V, MOTOR13V, CM.POW, GND, -35V, BUP5V, AC.4V, AC.4V, P.DOWN

IC302 BA6229

GND, OUT1, OUT DRIVE, REG VOL, IN1, IN2, VCC, OUT DRIVE, OUT2

FR350 1/4W 0.47

C350 0.022

C351 0.01

C353 1/50

C352 0.01

C354 1/50

D303 UTZJ7.5C

D304 UTZJ10A

TR306 DTC144ES

TR312 DTA144ES

JBX ONLY

TO CTL HEAD

WP801-2

1	CTL+
2	CTL.G

P301 — TO DRUM MOTOR

1	PG
2	GND
3	FG
4	DM POW
5	M.GND
6	CONT

R350 2 (1/6W)

R351 2 (1/6W)

IDL5V

R353 470K

C355 M0.022

IC303 BA15218N

R352 20K

D305

DM.STOP

R356 F10K

R357 F8.2K

R358 F750

R355 22K

D306

R354 510K

D307

R373 130K

C358 33/6.3

R361 22K

R360 22K

R359 22K

TR307 DTA144TS

C357 1/50

C356 4.7/25

IC303 BA15218N

TR308 DTA144TS

C359 2.2/50

R362 2.2K

R363 6.2K

R364 680K

R366 2.2K

R365 18K

TR309 DTA144TS

C360 4.7/35

R369 F3.3K

R368 F20K

R367 F22K

TR310 DTC144ES

R370 10K

C361 1/50

R371 47K

R372 33K

CMD

CM.STOP

R374 15K

R375 4.7K

R376 1K

D308

CPD

CFV

R349 10K

P302 — TO CAPSTAN MOTOR

1	F/R
2	FG
3	CM.CONT
4	LIMIT
5	IDL5V
6	GND
7	CM.POW
8	P.GND

C371 47/16

C363 47/16

F2.2K R377

R378

C362 1/50

R379 F6.2K

R380

D309

*2

R395

D310

*2	JBX JLX-L JFX-L	JFX
R378	F10K	F7.5K
R380	F2.4K	F1.5K
R395	/	F30K
D310	/	0

R381 10K, R382 10K, R383 10K, R384 10K

P303 — TO SENSOR PCB WP1

1	S.SENS
2	RSW1
3	RSW2
4	RSW3
5	RSW4
6	IDL5V
7	T.REELP
8	END.SENS
9	S.REELP
10	GND
11	LM+
12	LM-
13	REC.SAF

R385 10K

C349 0.022

AC4V

*5

R335

R336 JS305

*5	JBX JLX-L JFX-L	JFX
R335	1/6W 11	——
R336	1/6W 9.1	——
JS305	——	O

IDL5V

R386, R387, R388, R389, R390, R391

JS302

IC304 LA6358

TRP

R392

SRP

R393

JS303

*1

C329 0.01

C364 0.01, C365 0.01, C366 0.01, C367 0.01, C368 0.01

R394 100

C369 0.022F/5.5

P304 — TO OPERATION (A) PCB WP1

1	-35V
2	GND
3	AC4V
4	PWM
5	BAND.B
6	P.DOWN
7	BAND.A
8	AFT-L
9	TV/VCR
10	AFT-H
11	AFT
12	BUP5V
13	T.MUTE
14	AC4V
15	DEC

IC301 MN675121 MN675201

1	TUNE
2	A.EE
3	REC.S
4	A.REC
5	B/T
6	B/W
7	REC.SAF
8	SRDY
9	SRP
10	RSW4
11	RSW3
12	RSW2
13	RSW1
14	LM.R
15	LM.F
16	TRQUP
17	SCK
18	SI
19	SO
20	RESET
21	VP
22	CPD 2.9V
23	CFV 2.6V
24	DPD 3.0V
25	DFV 2.7V
26	CM.LIM 5.5V
27	CMSTOP 0.2V
28	
29	
30	ENV.SW 0.4V
31	HASW 0.1V
32	5.5V
33	C.ROT 5.6V
34	V.J 0.4V
35	SP 5.6V
36	SECAM/MESECAM 2.5V
37	EXT 0.1V
38	EXT2

R330 68K

R331 62K

R328 22K, R327 6.8K, R326 150K, R325 33K

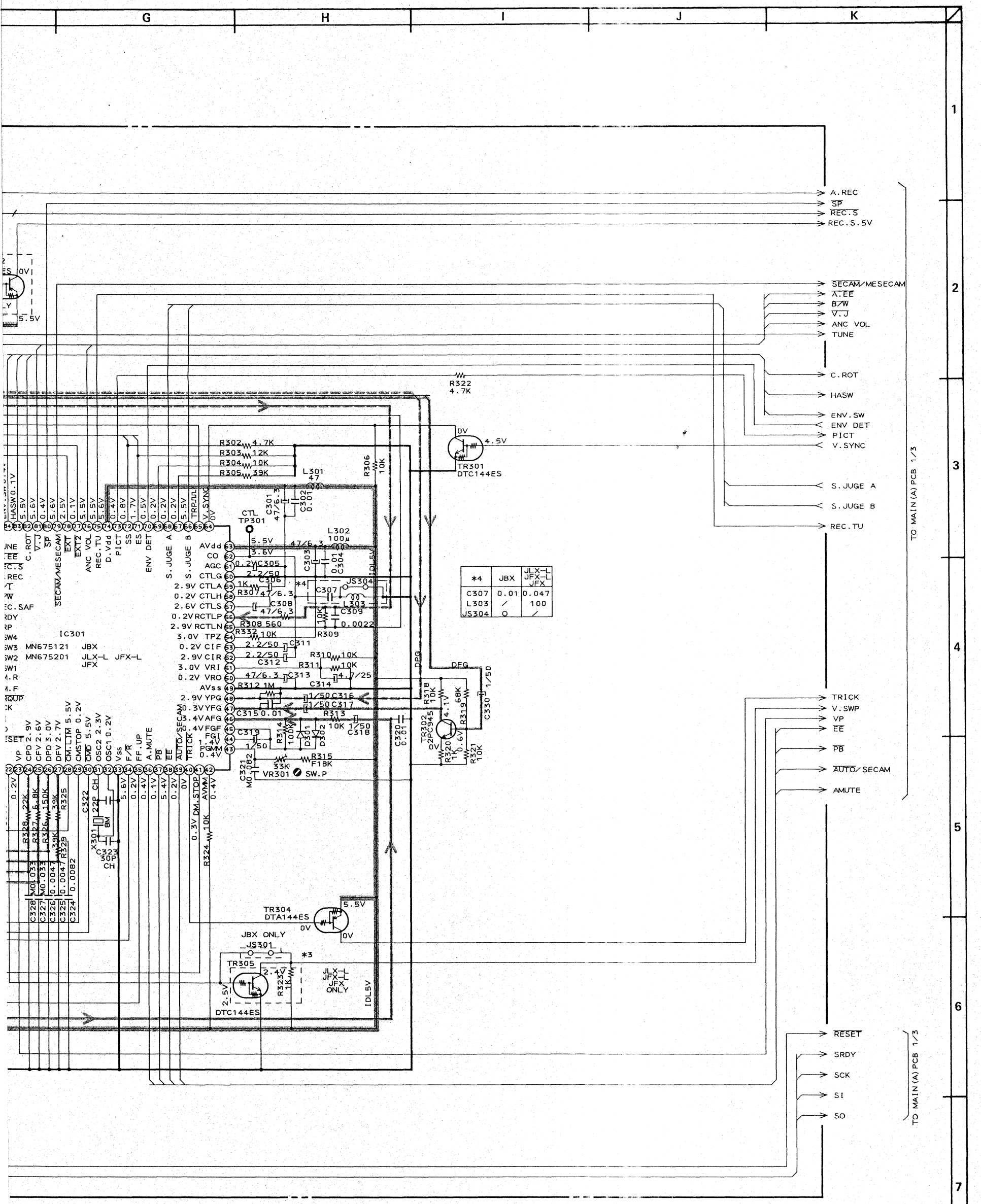
C328 M0.033, C327 M0.033, C326 0.0047, C325 0.0047, C324 0.0082

*1	JBX JLX-L JFX-L	JFX
IC304	/	O
R386	/	20K
R387	13K	20K
R388	13K	56K
R389	/	56K
R390	/	22K
R391	/	22K
R392	/	56K
R393	/	56K
JS302	O	/
JS303	O	/

*3	JBX	
JS301	O	
TR305	/	
R323	/	

: B (POWER S
: CAPSTAN M
: CAPSTAN M
: DRUM MOTO
: DRUM MOTO

MAIN (A) PCB 2/3 V1131A501A



*4	JBX	JLX JFX JFX
C307	0.01	0.047
L303	/	100
JS304	O	/

	JBX	JLX-L JFX-L JFX
	O	/
	/	O
	/	O

: B (POWER SUPPLY) LINE
: CAPSTAN MOTOR PHASE
: CAPSTAN MOTOR SPEED
: DRUM MOTOR PHASE
: DRUM MOTOR SPEED

WARNING: ⚠ AND ▓▓ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSMENT: ⚠ ET ▓▓, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

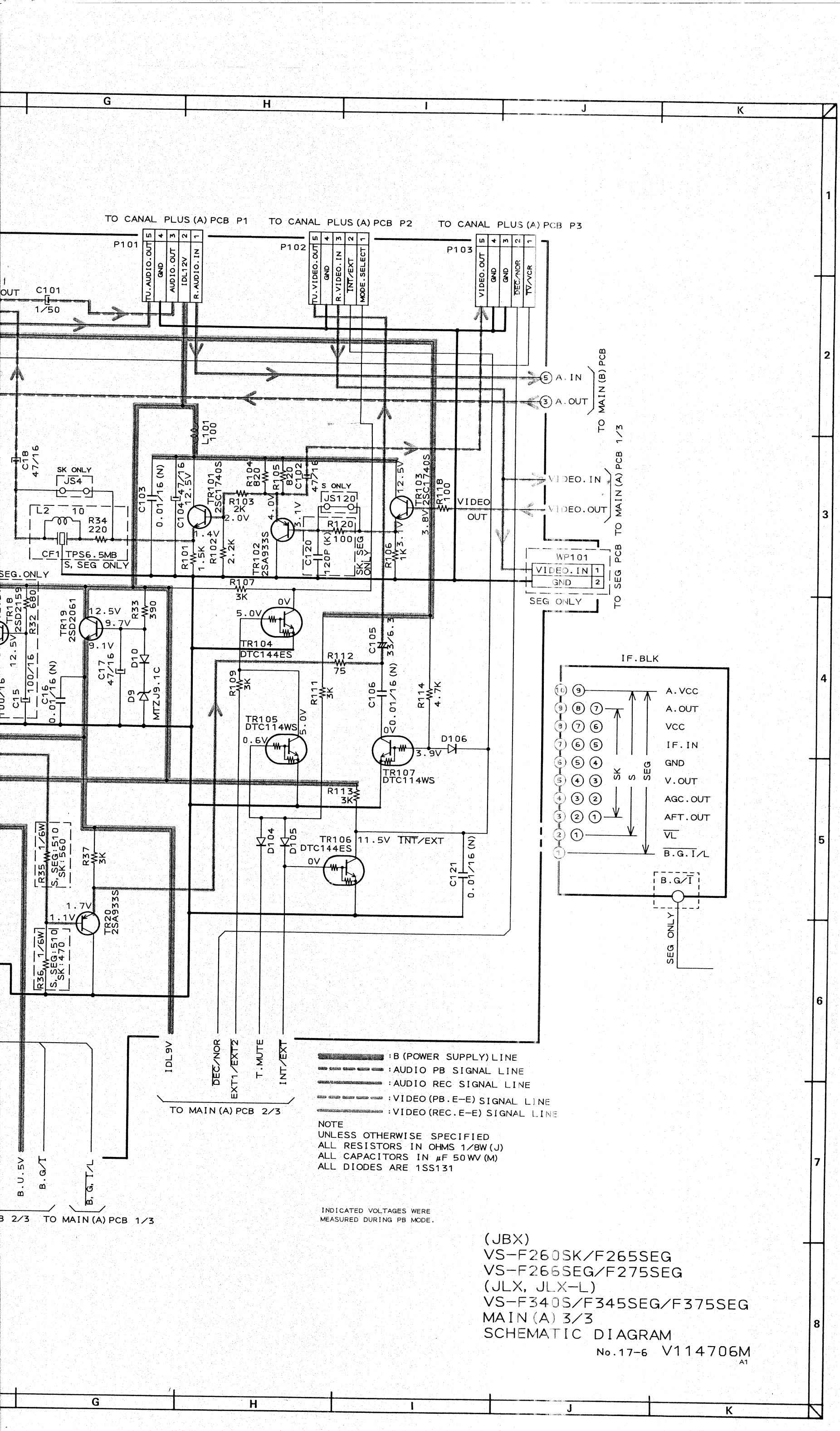
NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV
ALL DIODES ARE 1SS131T

INDICATED VOLTAGES WERE MEASURED DURING PB MODE.

(JBX)
VS-F260SK/F265SEG
VS-F266SEG/F275SEG
(JLX, JLX-L)
VS-F340S/F345SEG/F375SEG
MAIN (A) 2/3
SCHEMATIC DIAGRAM
No.17-5 V114705M
A1

WARNING: ⚠ AND ▭ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER' S RECOMMENDED PARTS

AVERTISSMENT: ⚠ ET ▭, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L' APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT



: B (POWER SUPPLY) LINE
: AUDIO PB SIGNAL LINE
: AUDIO REC SIGNAL LINE
: VIDEO (PB. E-E) SIGNAL LINE
: VIDEO (REC. E-E) SIGNAL LINE

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/8W (J)
ALL CAPACITORS IN μF 50WV (M)
ALL DIODES ARE 1SS131

INDICATED VOLTAGES WERE
MEASURED DURING PB MODE.

(JBX)
VS-F260SK/F265SEG
VS-F266SEG/F275SEG
(JLX, JLX-L)
VS-F340S/F345SEG/F375SEG
MAIN (A) 3/3
SCHEMATIC DIAGRAM

No.17-6 V114706M
A1

PRINCIPAL PARTS LOCATION

ICs

IC201	D,E4
IC301	E1,2
IC302	F1,2
IC303	E3
IC401	C3
IC402	B,C2
IC601	B1
IC602	C1
IC603	C4

WF & WPs

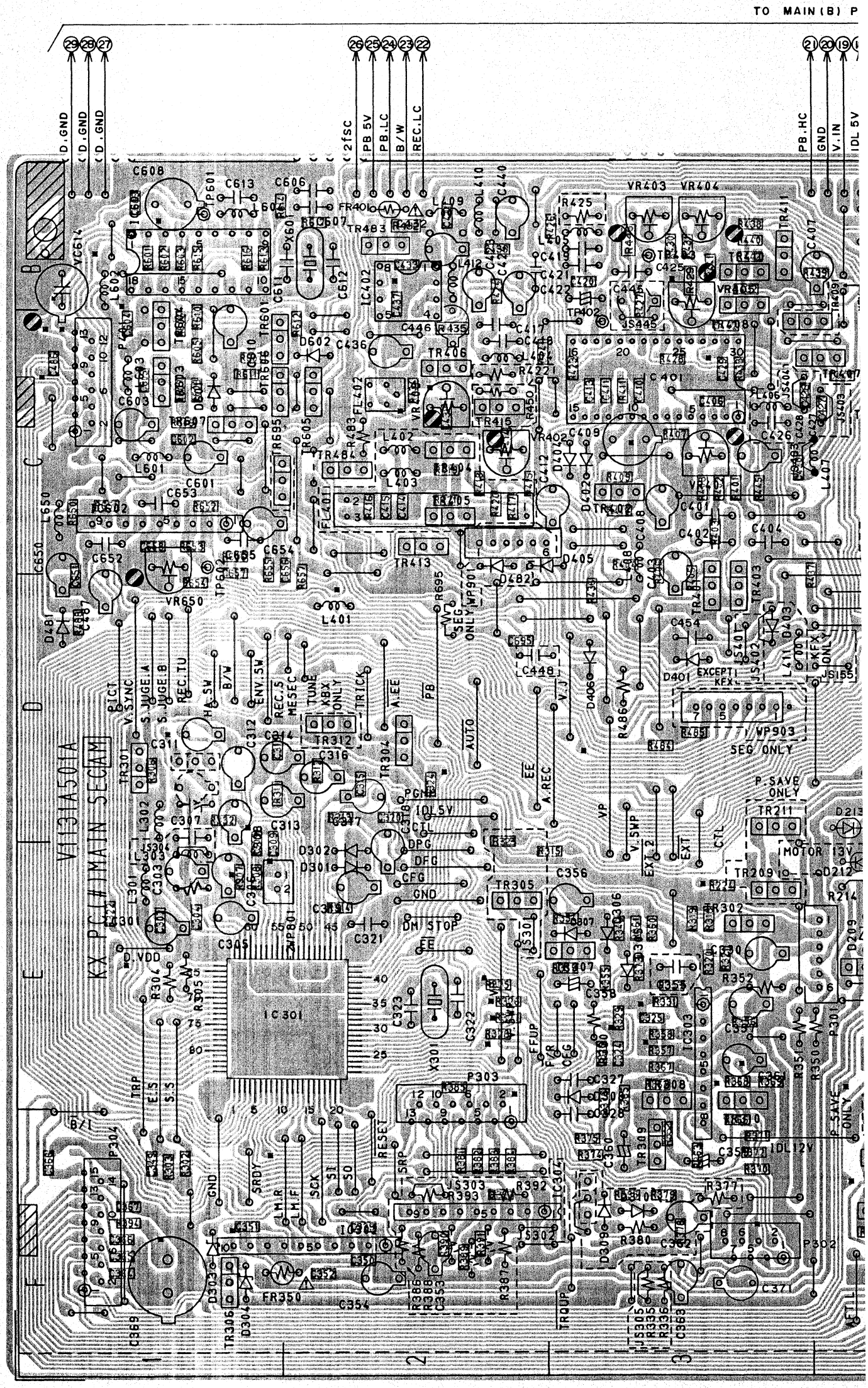
WF201	E4
WP101	D5
WP901	C2
WP902	C4
WP903	D3

CONNECTORs

P101	D,E6
P102	D6
P103	C6
P301	E3,4
P302	F3
P303	E2
P304	F1
P401	C1
P402	C,D5

TRANSISTORs

TR1	F6
TR2	F6
TR3	B6
TR4	F6
TR5	F6
TR6	F6
TR7	E6
TR8	E6
TR9	F6
TR10	F6
TR11	F6
TR12	F5
TR13	F5
TR14	E5
TR15	F5
TR16	F4
TR17	F4
TR18	E5
TR19	F4
TR20	D6
TR21	E6
TR101	B6
TR102	B6
TR103	B5
TR104	C6
TR105	D5
TR106	D5
TR107	D6
TR202	F4
TR203	F4
TR205	E4
TR210	E4
TR301	D1
TR302	E3
TR304	D2
TR306	F1
TR307	E3
TR308	E3
TR309	F3
TR310	E3
TR401	C,D3
TR402	C3
TR403	C,D3
TR404	C2
TR405	C2
TR406	C2
TR407	C3,4
TR408	B,C3
TR409	C3,4
TR410	B3
TR411	B3
TR413	C2
TR415	C2
TR482	B5
TR483	B2
TR484	C2
TR485	C4
TR486	C4
TR487	D4
TR601	C1,2
TR603	C1
TR604	C1
TR605	C2
TR606	C1,2
TR607	C1
TR695	C1,2

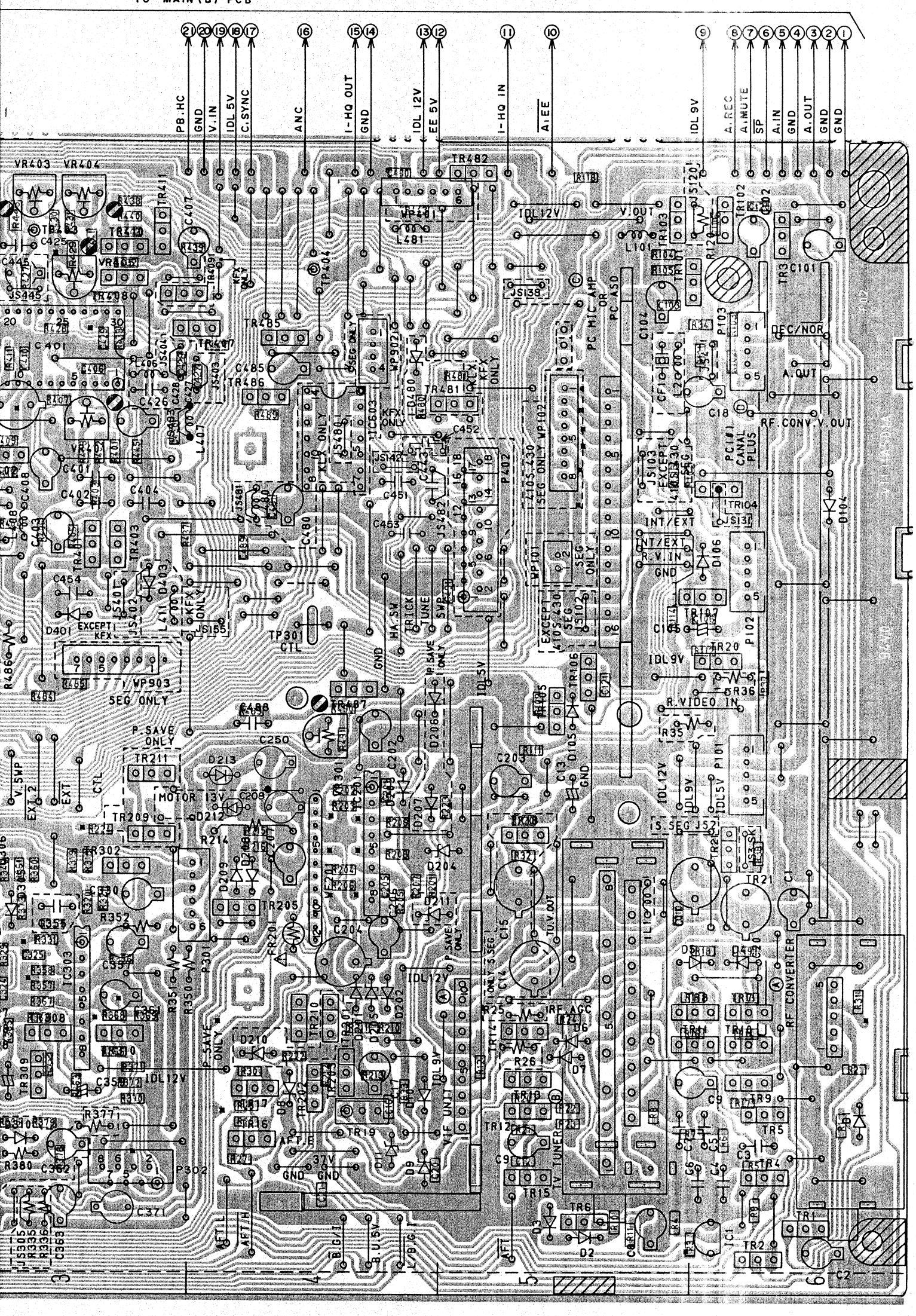


MAIN (A) PC

WARNING: ⚠INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

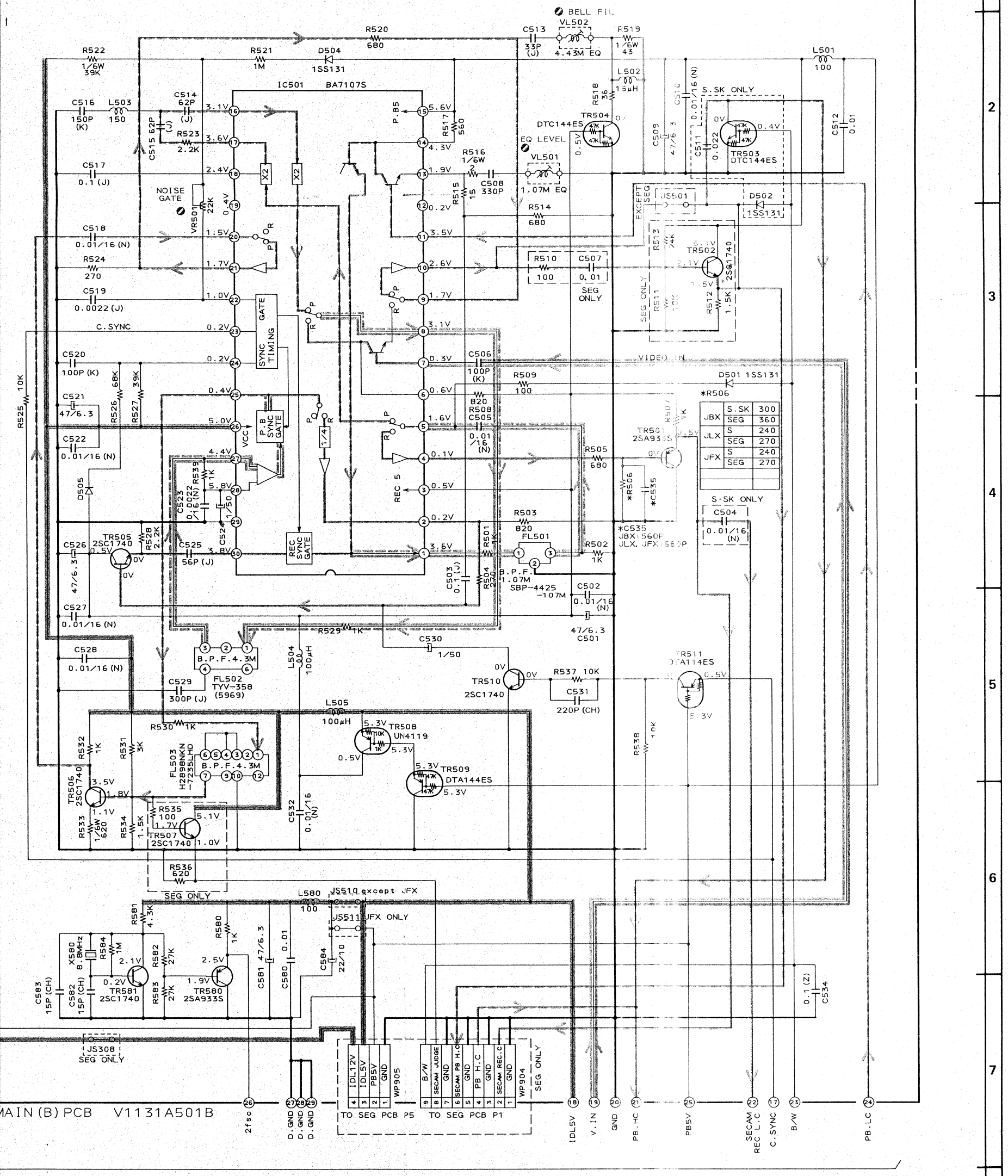
TO MAIN (B) PCB



MAIN (A) PCB V1131A501A(J1)

NOTE : PARTS DIFFER DEPENDING ON MODEL NUMBER. REFER TO SCHEMATIC DIAGRAMS FOR PERTAINING PARTS INFORMATION.

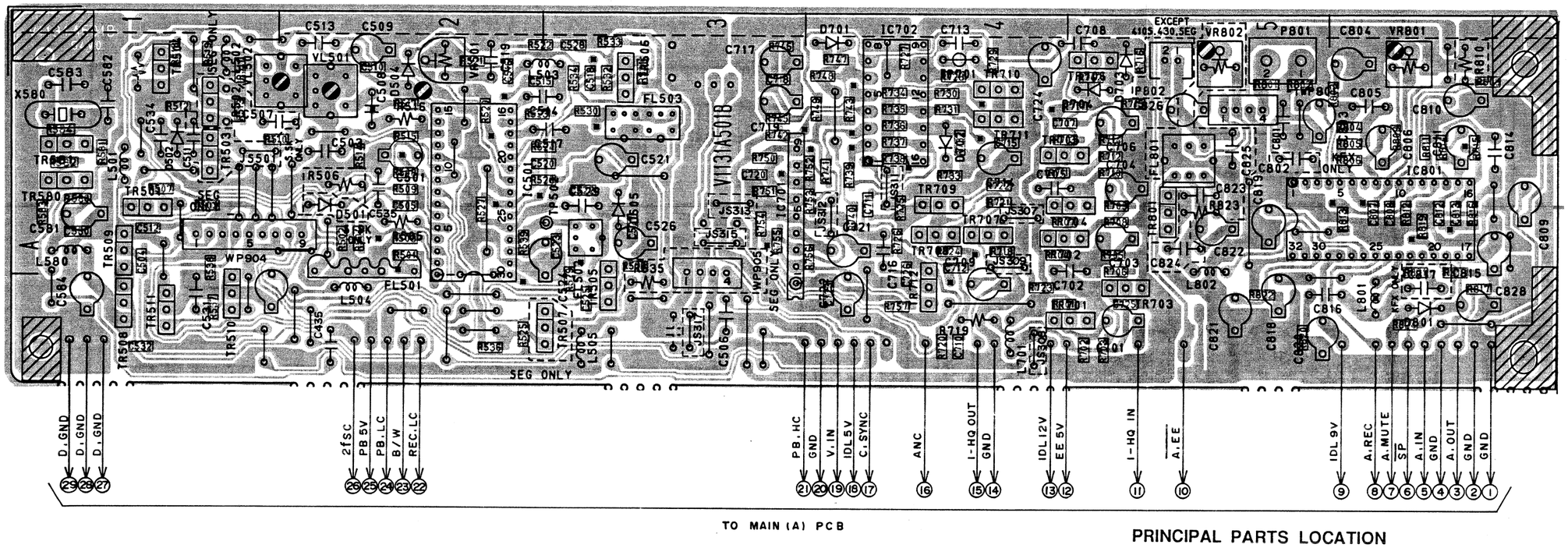
	JBX·JLX 440S 445SEG	490S 497SEG
R823	39K	27K
C823	0.0015	0.0033
C824	0.0033	0.0047
C825	822P.P.	392P.P.
FL801	V1102	V1105-1
VR802	47K	100K



NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV

INDICATED VOLTAGES WERE
MEASURED DURING PB MODE.

(JBX)
VS-F260SK/F265SEG
VS-F266SEG/F275SEG
(JLX, JLX-L)
VS-F340S/F345SEG/F375SEG
MAIN (B)
SCHEMATIC DIAGRAM
No.17-7 V114707M
A1



NOTE : PARTS DIFFER DEPENDING ON MODEL NUMBER. REFER TO SCHEMATIC DIAGRAMS FOR PERTAINING PARTS INFORMATION.

MAIN (B) PCB V1131A501(J1)

PRINCIPAL PARTS LOCATION

ICs

IC501 ..... A2
IC701 ..... A3
IC702 ..... A4
IC801 ..... A5,6

WPs

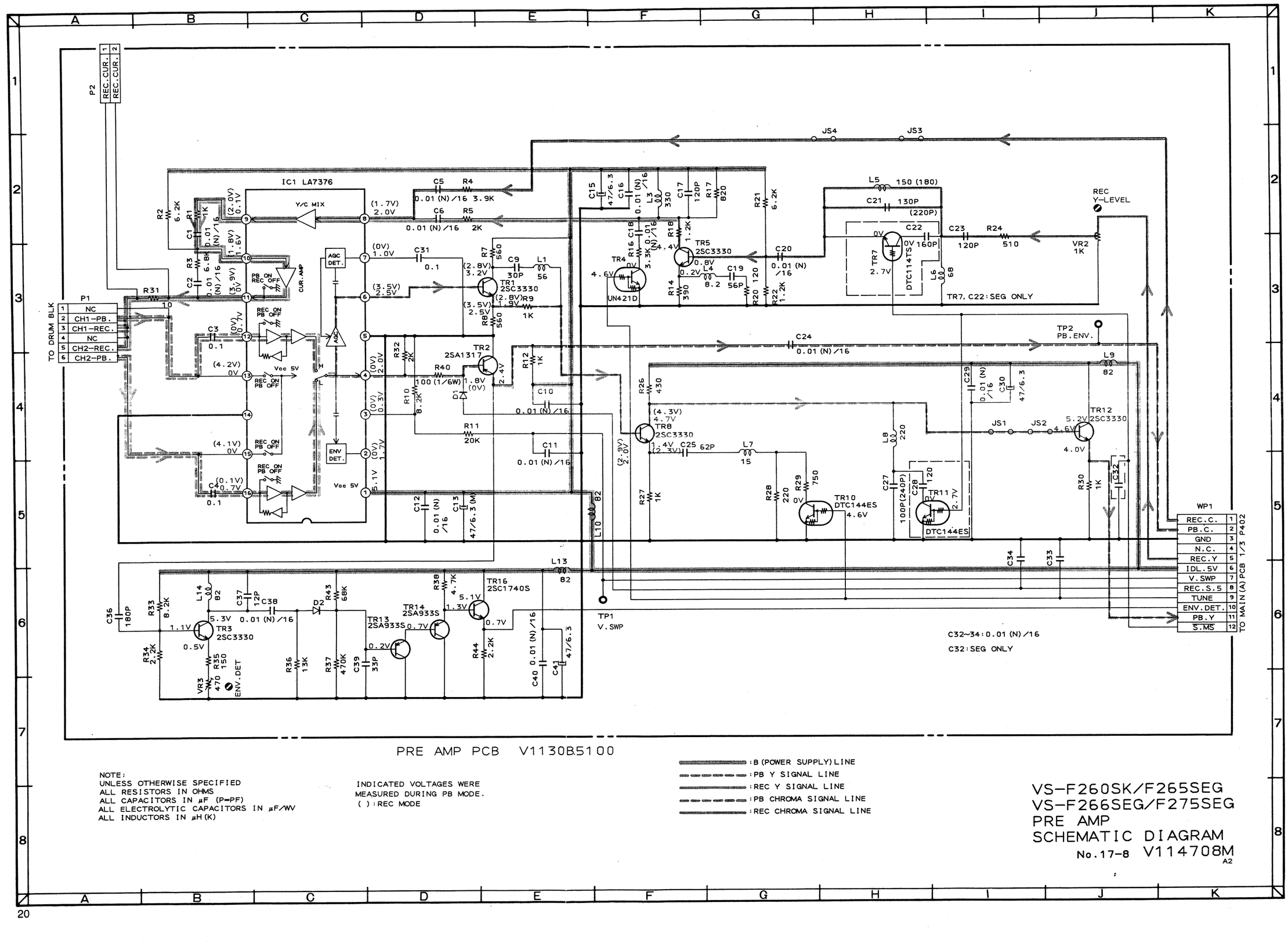
WP801 ..... A5
WP904 ..... A1,2
WP905 ..... A3

CONNECTORs

P801 ..... A5
P802 ..... A5

TRANSISTORs

TR501 ..... A1
TR502 ..... A1
TR503 ..... A1
TR504 ..... A1
TR505 ..... A3
TR506 ..... A3
TR507 ..... A2,3
TR508 ..... A1
TR509 ..... A1
TR510 ..... A1
TR511 ..... A1
TR580 ..... A1
TR581 ..... A1
TR701 ..... A4,5
TR702 ..... A4,5
TR703 ..... A5
TR704 ..... A4,5
TR705 ..... A4,5
TR706 ..... A5
TR707 ..... A4
TR708 ..... A4
TR709 ..... A4
TR710 ..... A4
TR711 ..... A4
TR712 ..... A4
TR801 ..... A5



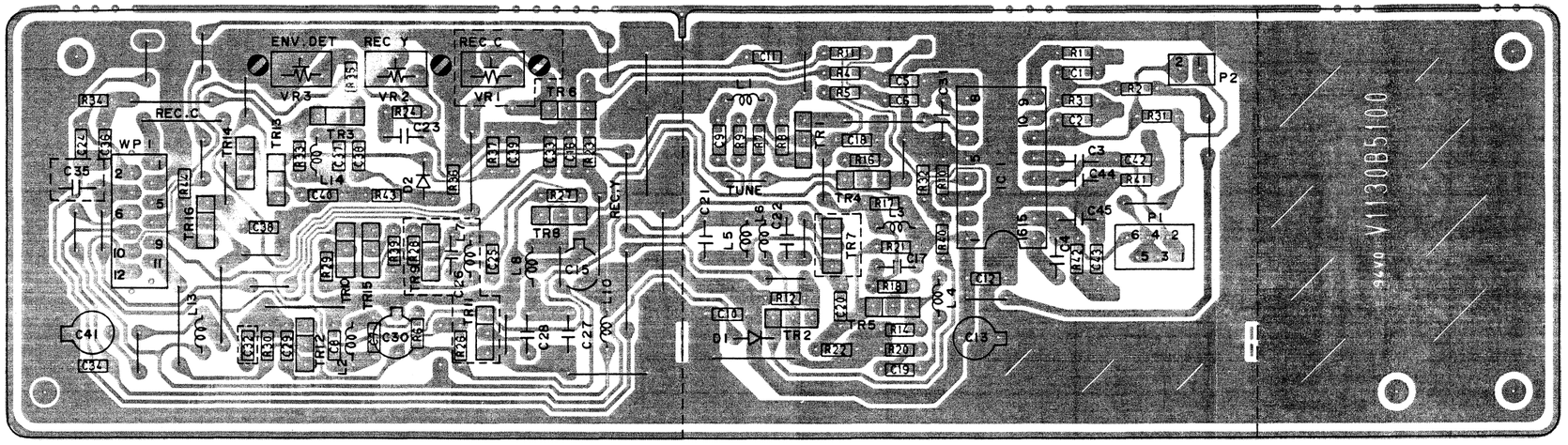
PRE AMP PCB V1130B5100

NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV
ALL INDUCTORS IN μH (K)

INDICATED VOLTAGES WERE
MEASURED DURING PB MODE.
( ) : REC MODE

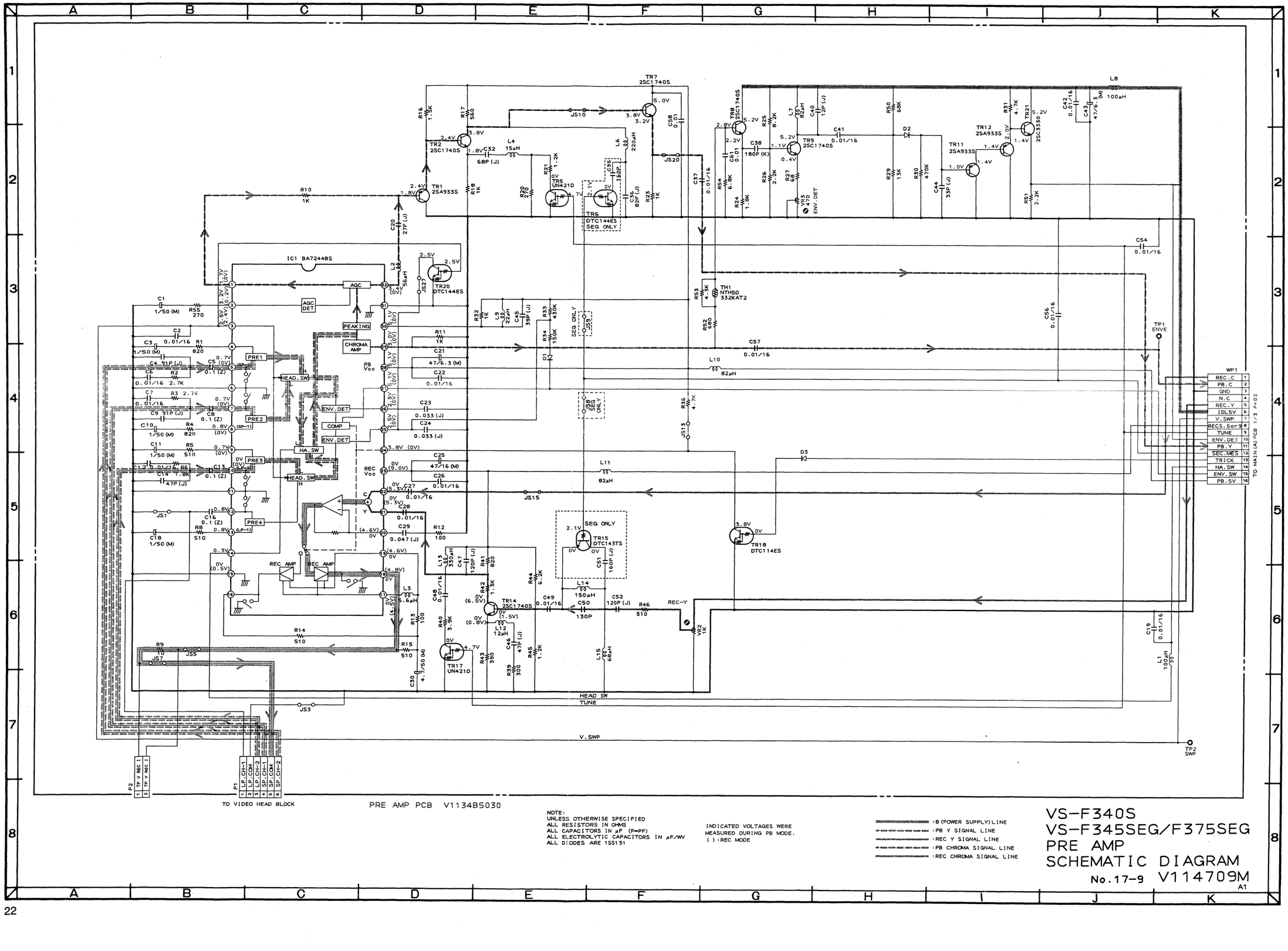
: B (POWER SUPPLY) LINE
: PB Y SIGNAL LINE
: REC Y SIGNAL LINE
: PB CHROMA SIGNAL LINE
: REC CHROMA SIGNAL LINE

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
PRE AMP
SCHEMATIC DIAGRAM
No.17-8 V114708M
A2



PRE AMP PCB VII30B5100

NOTE : PARTS DIFFER DEPENDING ON MODEL NUMBER. REFER TO SCHEMATIC DIAGRAMS FOR PERTAINING PARTS INFORMATION.



PRE AMP PCB V1134B5030

NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV
ALL DIODES ARE 1SS131

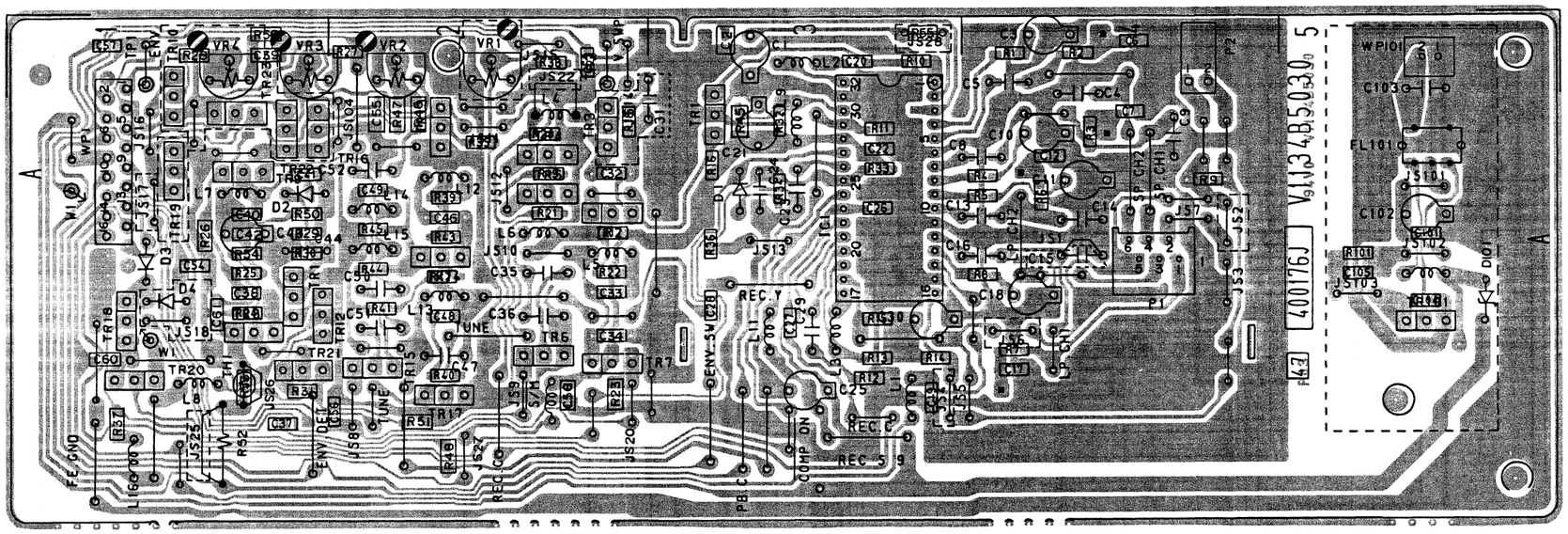
INDICATED VOLTAGES WERE MEASURED DURING PB MODE.
( ):REC MODE

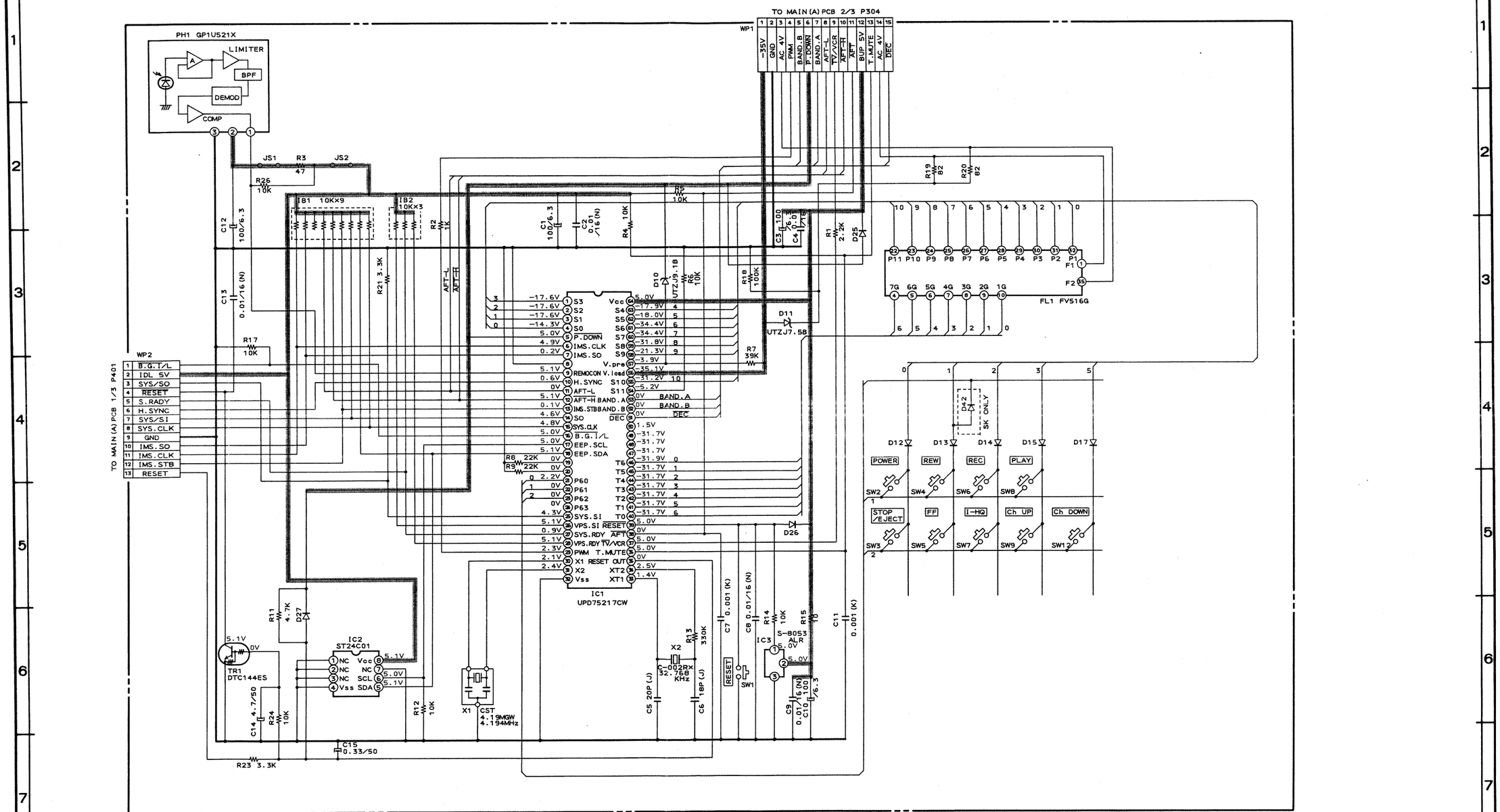
: B (POWER SUPPLY) LINE
: PB Y SIGNAL LINE
: REC Y SIGNAL LINE
: PB CHROMA SIGNAL LINE
: REC CHROMA SIGNAL LINE

VS-F340S
VS-F345SEG/F375SEG
PRE AMP
SCHEMATIC DIAGRAM

No.17-9 V114709M

A1


VR4
VR3
VR2
VR1
TR1
TR2
TR3
TR4
TR5
TR6
TR7
TR17
TR18
TR19
TR20
TR21
TR22
REC.Y
REC.C
REC.S
PBC
ENV-1V
ENV DET
COMP ON
S/H
TUNE
TRIG
FE.GND
W1
W2
W3
W4
W5
W6
W7
W8
W9
W10
W11
W12
W13
W14
W15
W16
W17
W18
W19
W20
W21
W22
W23
W24
W25
W26
W27
W28
W29
W30
W31
W32
W33
W34
W35
W36
W37
W38
W39
W40



OPREATION (A) PCB V1146B5100

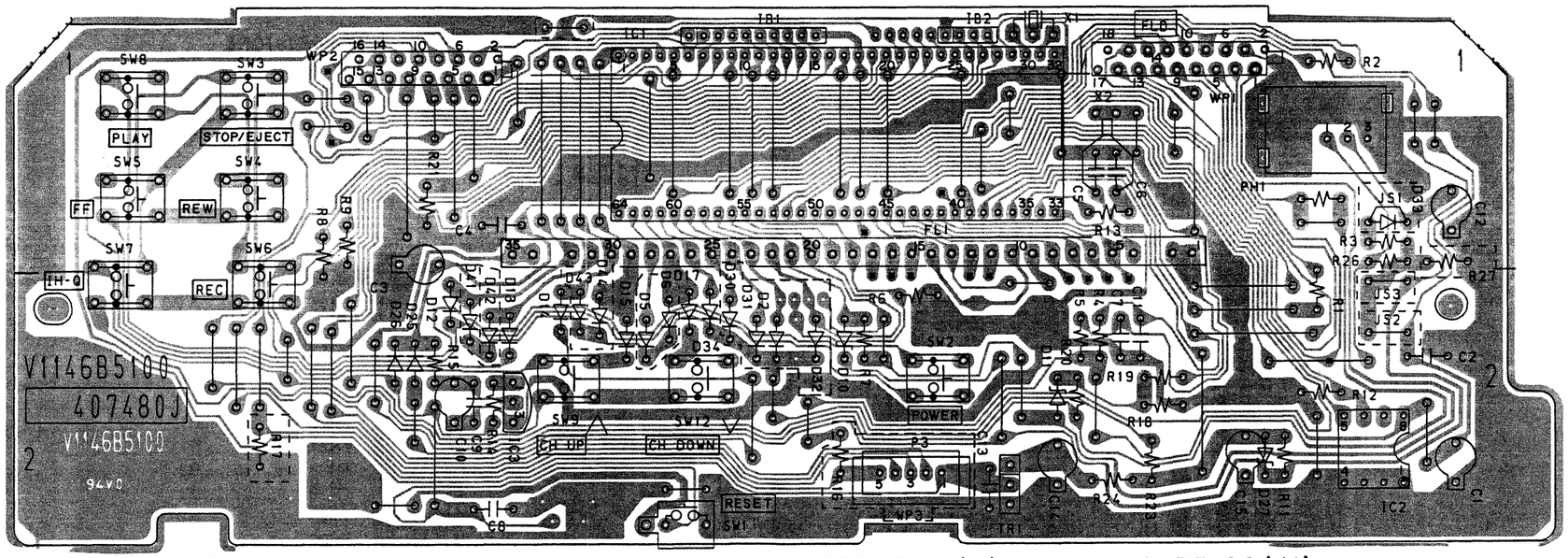
NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV
ALL DIODES ARE 1SS131T

B (POWER SUPPLY) LINE

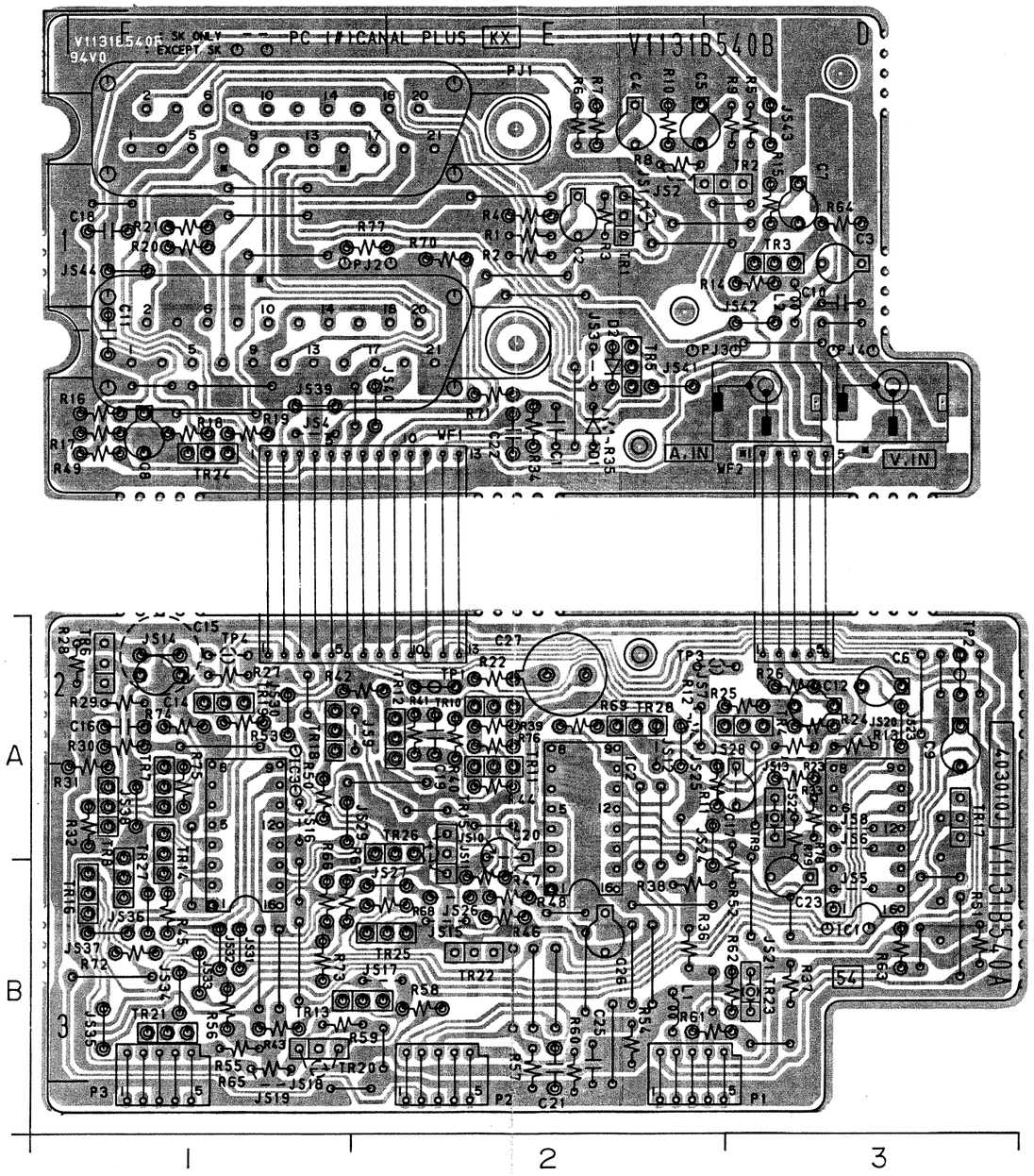
INDICATED VOLTAGES WERE MEASURED DURING PB MODE.

VS-F260SK/F265SEG
VS-F266SEG/F275SEG
VS-F340S/F345SEG/F375SEG
OPERATION (A)
SCHEMATIC DIAGRAM

No.17-10 V1147 10M
A1


SW8
SW3
PLAY
STOP/EJECT
SW5
SW4
FF
REW
SW7
SW6
REC
PH-0
V1146B5100
407480J
V1146B5100
94V0
IC1
IB1
IB2
X1
WP2
WP1
PH1
JS1
JS3
JS2
R2
R3
R26
R27
R13
R19
R18
R12
R24
R5
R4
C4
C5
C6
C2
FL1
SW2
POWER
SW9
CH UP
SW12
CH DOWN
SW1
RESET
TR1
IC2
D34
D31
D17
D43
D12
D20
D23
D24
D25
D26
D27
D28
D29
D30
D32
D33
D35
D36
D37
D38
D39
D40
D41
D42
D44
D45
D46
D47
D48
D49
D50
D51
D52
D53
D54
D55
D56
D57
D58
D59
D60
D61
D62
D63
D64
D65
D66
D67
D68
D69
D70
D71
D72
D73
D74
D75
D76
D77
D78
D79
D80
D81
D82
D83

CANAL PLUS (B) PCB V1131B540B



CANAL PLUS (A) PCB V1131B540A

NOTE: REFER TO SCHEMATIC DIAGRAMS FOR INFORMATION PERTAINING TO ⏀ ⏀ OR -- MARKED PARTS.

PRINCIPAL PARTS LOCATION

ICs

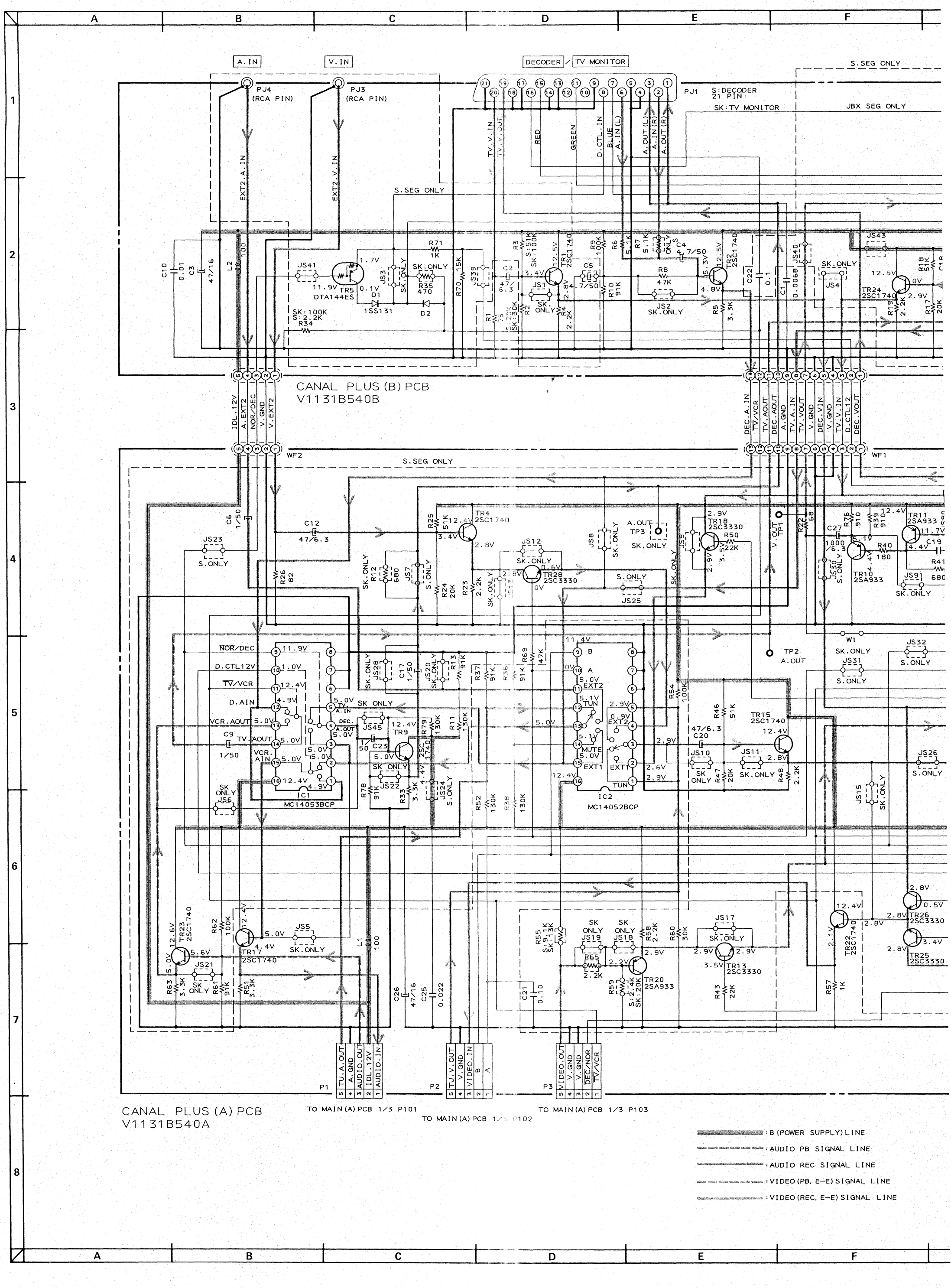
IC1 ..... A,B3
IC2 ..... A,B2
IC3 ..... A,B1

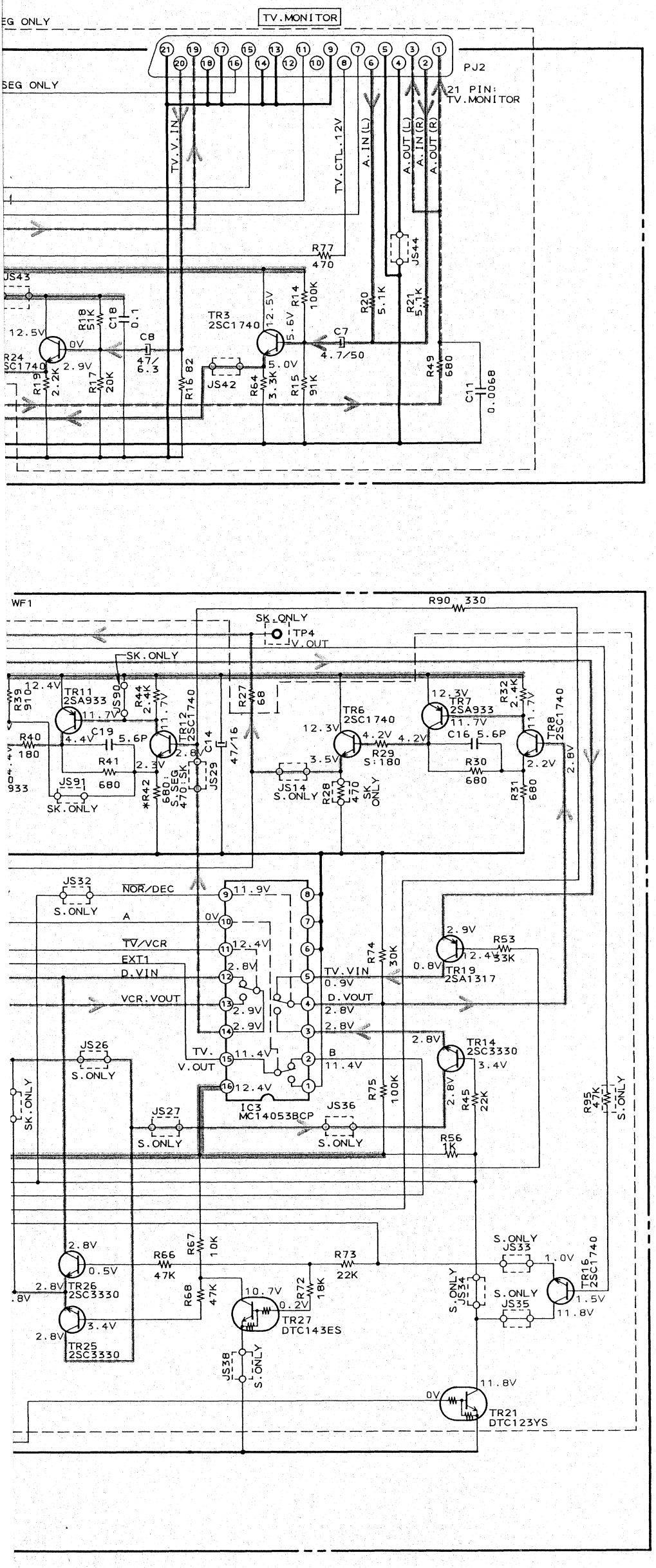
CONNECTORs

P1 ..... B2,3
P2 ..... B2
P3 ..... B1

TRANSISTORs

TR4 ..... A2,3
TR6 ..... A1
TR7 ..... A1
TR8 ..... A1
TR9 ..... A,B3
TR10 ..... A2
TR11 ..... A2
TR12 ..... A2
TR13 ..... B1,2
TR14 ..... A,B1
TR15 ..... A,B2
TR16 ..... B1
TR17 ..... A,B3
TR18 ..... A1
TR19 ..... A1
TR20 ..... B1
TR21 ..... B1
TR22 ..... B2
TR23 ..... B3
TR25 ..... B2
TR26 ..... A,B2
TR27 ..... A,B1
TR28 ..... A2


A.IN
V.IN
DECODER / TV MONITOR
S.SEG ONLY
PJ4 (RCA PIN)
PJ3 (RCA PIN)
PJ1 S:DECODER 21 PIN: SK:TV MONITOR
JBX SEG ONLY
EXT2.A.IN
EXT2.V.IN
TV.V.IN
TV.V.OUT
RED
GREEN
D.CTL.IN
BLUE
A.IN (L)
A.OUT (L)
A.IN (R)
A.OUT (R)
CANAL PLUS (B) PCB
V1131B540B
IDL.12V
A.EXT2
NOR/DEC
V.GND
V.EXT2
WF2
DEC.A.IN
TV/VCR
TV.AOUT
DEC.AOUT
A.GND
TV.A.IN
TV.VOUT
V.GND
DEC.VIN
V.GND
TV.V.IN
D.CTL12
DEC.VOUT
WF1
IC1 MC14053BCP
IC2 MC14052BCP
TR5 DTA144ES
TR4 2SC1740
TR28 2SC3330
TR18 2SC3330
TR1 2SC1740
TR2 2SC1740
TR24 2SC1740
TR9 2SC1740
TR15 2SC1740
TR11 2SA933
TR10 2SA933
TR23 2SC1740
TR17 2SC1740
TR20 2SA933
TR13 2SC3330
TR22 2SC1740
TR26 2SC3330
TR25 2SC3330
TP1 V.OUT
TP2 A.OUT
TP3 A.OUT
W1
P1 TU.A.OUT / A.GND / AUDIO.OUT / IDL.12V / AUDIO.IN
P2 TU.V.OUT / V.GND / VIDEO.IN / B / A
P3 VIDEO.OUT / V.GND / V.GND / DEC/NOR / TV/VCR
CANAL PLUS (A) PCB
V1131B540A
TO MAIN (A) PCB 1/3 P101
TO MAIN (A) PCB 1/3 P102
TO MAIN (A) PCB 1/3 P103
: B (POWER SUPPLY) LINE
: AUDIO PB SIGNAL LINE
: AUDIO REC SIGNAL LINE
: VIDEO (PB, E-E) SIGNAL LINE
: VIDEO (REC, E-E) SIGNAL LINE



MODE	TUN	EXT1 (-TV)	EXT2	MUTE AUDIO
A	L	L	H	H
B	L	H	H	L

INDICATED VOLTAGES WERE MEASURED DURING PB MODE.

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)

(JBX)
VS-F260SK/F265SEG
VS-F266SEG/F275SEG
(JLX, JLX-L)
VS-F340S/F345SEG/F375SEG
CANAL PLUS (A) & (B)
SCHEMATIC DIAGRAM

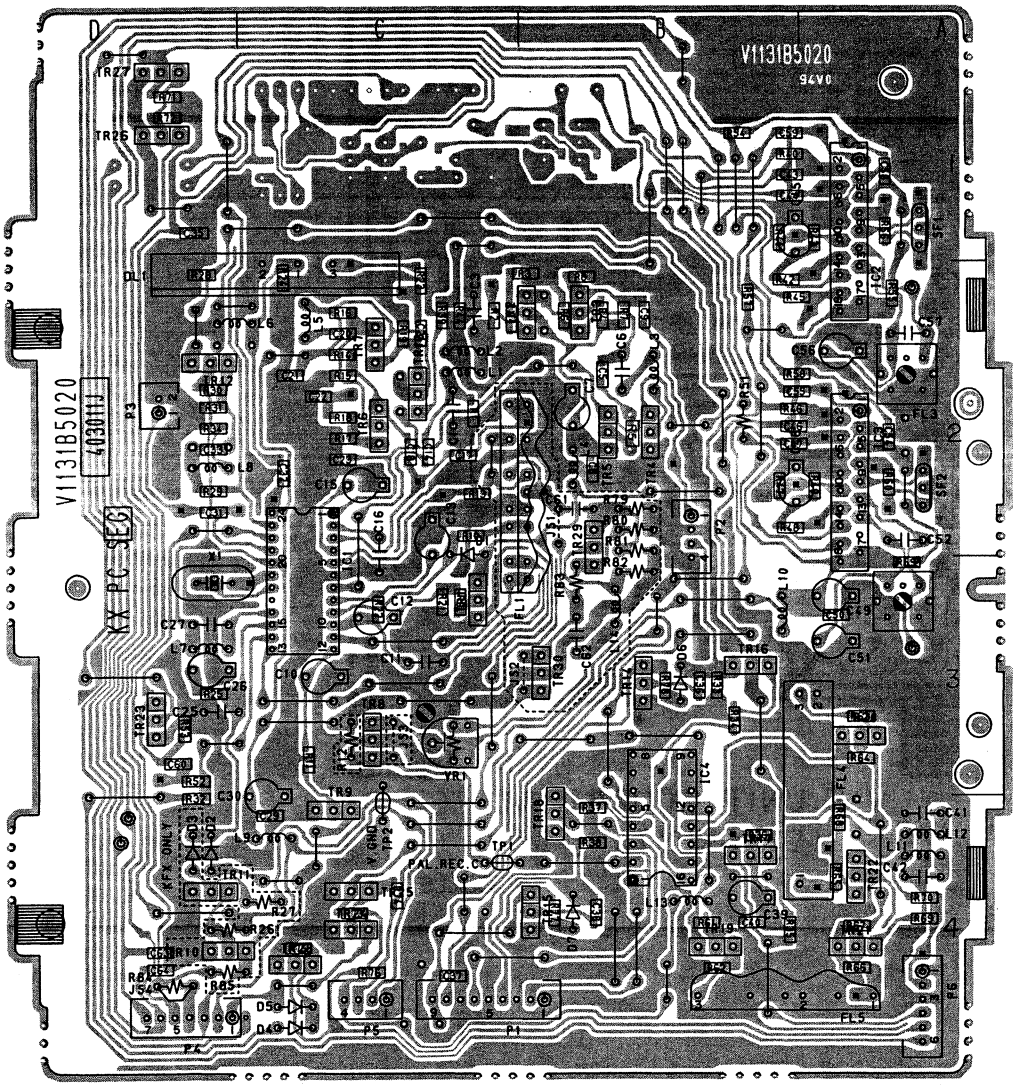
No.17-11 V114711M
A1

TO MAIN (A) PCB 1/3 WP902
TO MAIN (B) PCB WP904
P2
PB ENVE
GND
REC LC
GND
P1
B/W
SECAM-J
GND
SEC-PB-HC
GND
PB-HC
GND
SECAM-LC
GND
JLX, JFX ONLY
JS1
JS2
PB5V
JBX ONLY
TR5 DTA114ES
TR2, TR3 2SC1740
TR2
TR3
TR29 2SC1740
TR30 2SC1740
TR8 2SA933S
TR4 DTC114ES
TR14 DTC144ES
TR1 DTC114ES
TR15 DTC114ES
TR9 DTC144ES
TR6 2SC1740
TR7 2SC1740
TR13 2SC1740
TR12 2SC1740
TR23 2SC1740
IC1 LA7332
IC2 BA7025L
DL1 ADL-FE2247Q
PAL REC-C
FLI 2/3
FL1 1/3 FF-78P
IDL5V
KIL FILT.
5.06M IN
VCO FILT.
REC 627K OUT
SLD OUT
PB627K IN
GND
6dB AMP
4.43M OUT
BYPASS
4.43M IN
ACC FILT.
N/P/S CTL
KIL COMP.
320/321 fH VCO
SIDE LOCK DET
KILLER
CARR LEAK DET
KIL DET
ID DET
PB APC
REC AFC
MAIN CONV.
BURST EMPH.
ACC'D AMP
ACC DET
H. SYNC
BGP GEN.
3rd LOCK PROTECTER
ID COUNTER
F.F
4φ SIFT
RF SW
1/2
SUB CONV.
HALF H KILLER
SPH DET
X2
4.43M VXO
4.43M XO
90° P.S
ATT
FSIP GEN.
SIG. DET
PB AMP B.DE.EM KILLER
SECAM NT PAL
LIM/AMP
DET
COMP 1
SW
5.06M OUT
SYNC IN BGP OUT
NPC REC FILT
VCO TANK
2fsc OUT
X0 OUT
X0 IN
VCC
VIDEO IN
RF SW
PB 4.43M OUT
PB AMP IN
X1
4.43MHz
SECAM DET
FL2
21D6
SF1 4.16M
JBX JLX ONLY
JS4
R84 10K
JFX ONLY
R85 22K
P3
VIDEO IN
GND
P4
SECAM-H
TRICK-H
SP
C.ROT
MESECAM-H
JUDGE-A
JUDGE-B
SEG PCB V1131B5020
TO MAIN (A) PCB 3/3 WP101
TO MAIN (A) PCB 1/3 WP
INDICATED VOLTAGES WERE MEASURED DURING E-E (STOP) MODE.
INPUT: PAL VIDEO SIGNAL. EXT
NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF (P=PF)
ALL ELECTROLYTIC CAPACITORS IN μF/WV
ALL DIODES ARE 1SS131T

: B (POWER SUPPLY) LINE
: PB Y SIGNAL LINE
: REC Y SIGNAL LINE
: PB CHROMA SIGNAL LINE
: REC CHROMA SIGNAL LINE

(JBX)
VS-F265SEG/F266SEG/F275SEG
(JLX, JLX-L)
VS-F345SEG/F375SEG
SEG
SCHEMATIC DIAGRAM

No.17-12 V114712M
A1



SEG PCB V1131B5020

PRINCIPAL PARTS LOCATION

ICs

IC1 ..... C2,3
IC2 ..... A1,2
IC3 ..... A2,3
IC4 ..... B3,4

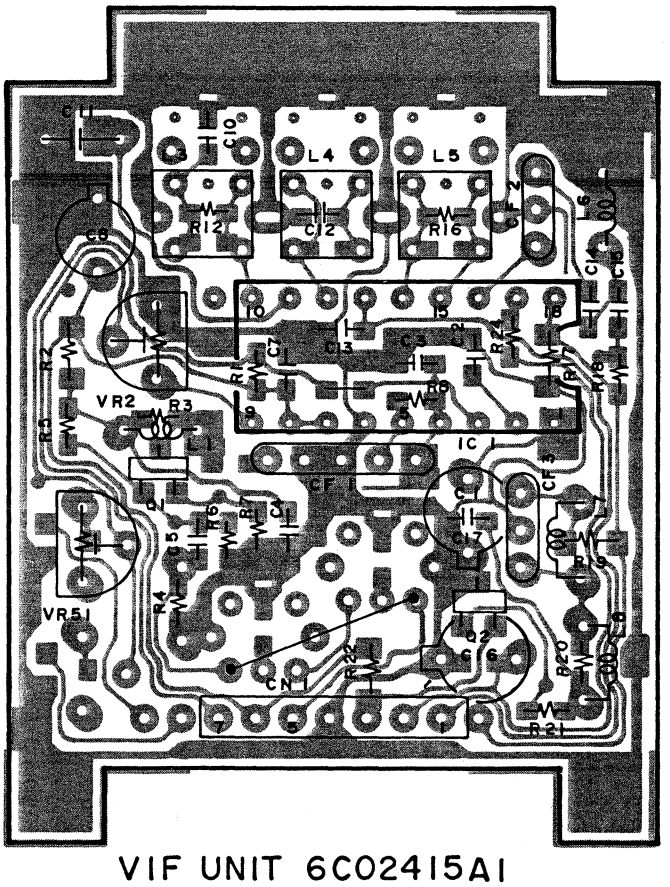
CONNECTORs

P1 ..... B,C4
P2 ..... B2,3
P3 ..... D2
P4 ..... D4
P5 ..... C4
P6 ..... A4

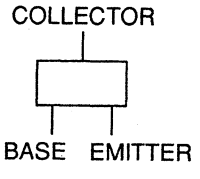
TRANSISTORs

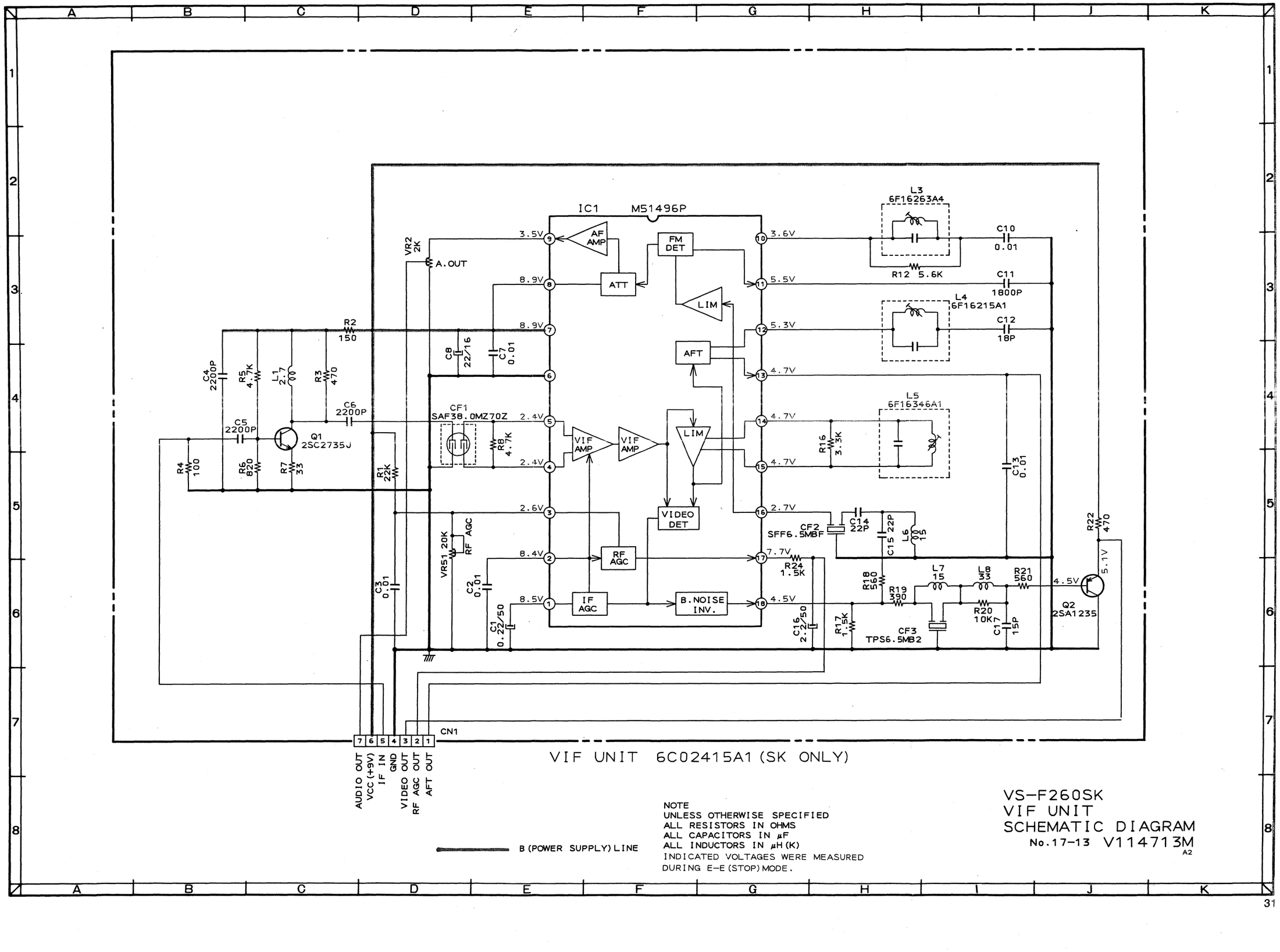
TR1 ..... C3
TR2 ..... B,C2
TR3 ..... B2
TR4 ..... B2
TR5 ..... B2
TR6 ..... C2
TR7 ..... C2
TR9 ..... C4
TR12 ..... D2
TR13 ..... C2
TR14 ..... C2
TR15 ..... B4
TR16 ..... B3
TR17 ..... B4
TR18 ..... B4
TR19 ..... B4
TR20 ..... A3
TR21 ..... A4
TR22 ..... A4
TR23 ..... D3
TR24 ..... C4
TR25 ..... C4
TR26 ..... D1
TR27 ..... D1
TR28 ..... C4
TR29 ..... B2,3
TR30 ..... B3

NOTE : PARTS DIFFER DEPENDING ON MODEL NUMBER. REFER TO SCHEMATIC DIAGRAMS FOR PERTAINING PARTS INFORMATION.



VIF UNIT 6C02415A1
(SK ONLY)



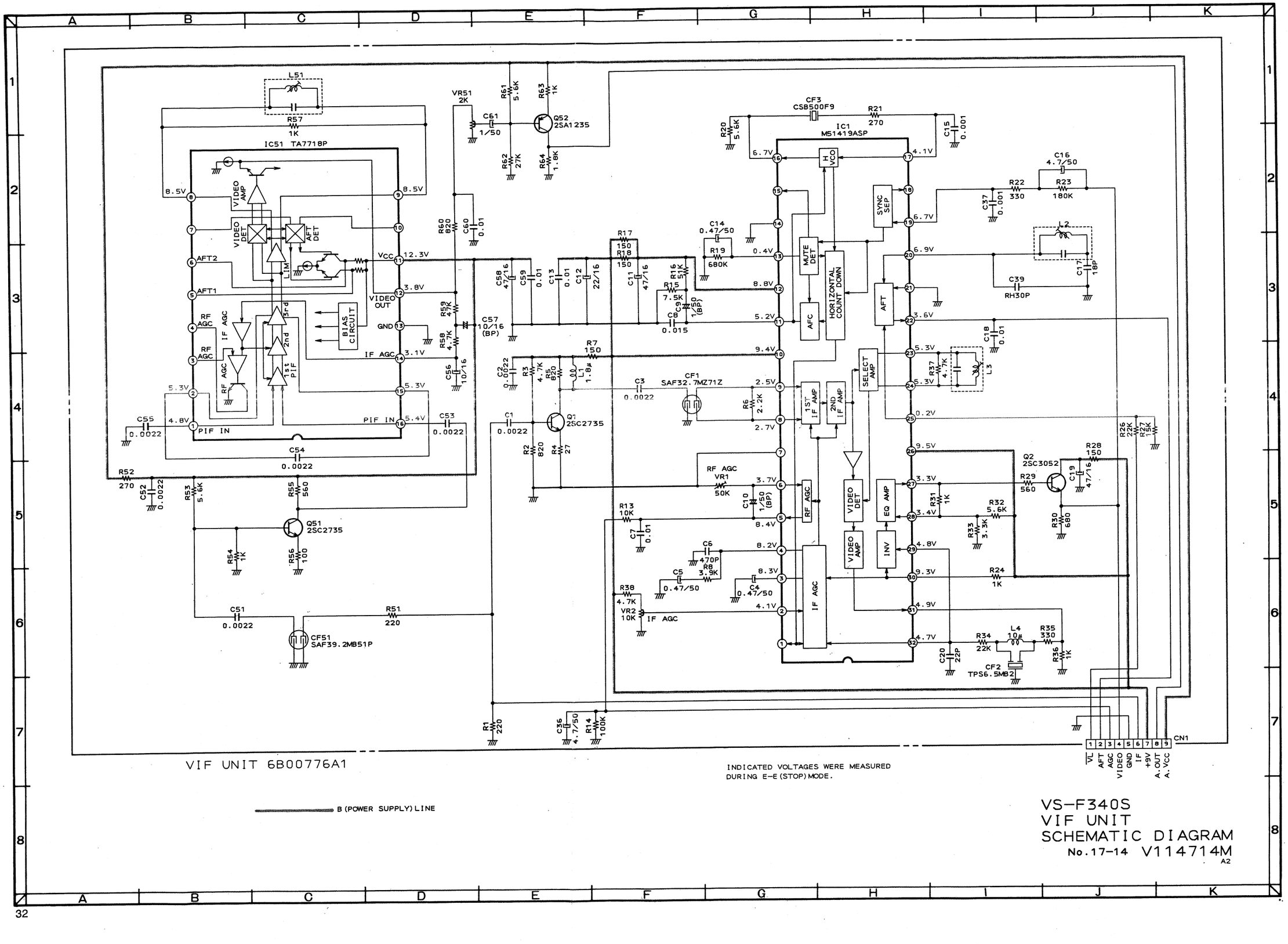


VIF UNIT 6C02415A1 (SK ONLY)

B (POWER SUPPLY) LINE

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μF
ALL INDUCTORS IN μH (K)
INDICATED VOLTAGES WERE MEASURED
DURING E-E (STOP) MODE.

VS-F260SK
VIF UNIT
SCHEMATIC DIAGRAM
No.17-13 V114713M
A2



VIF UNIT 6B00776A1

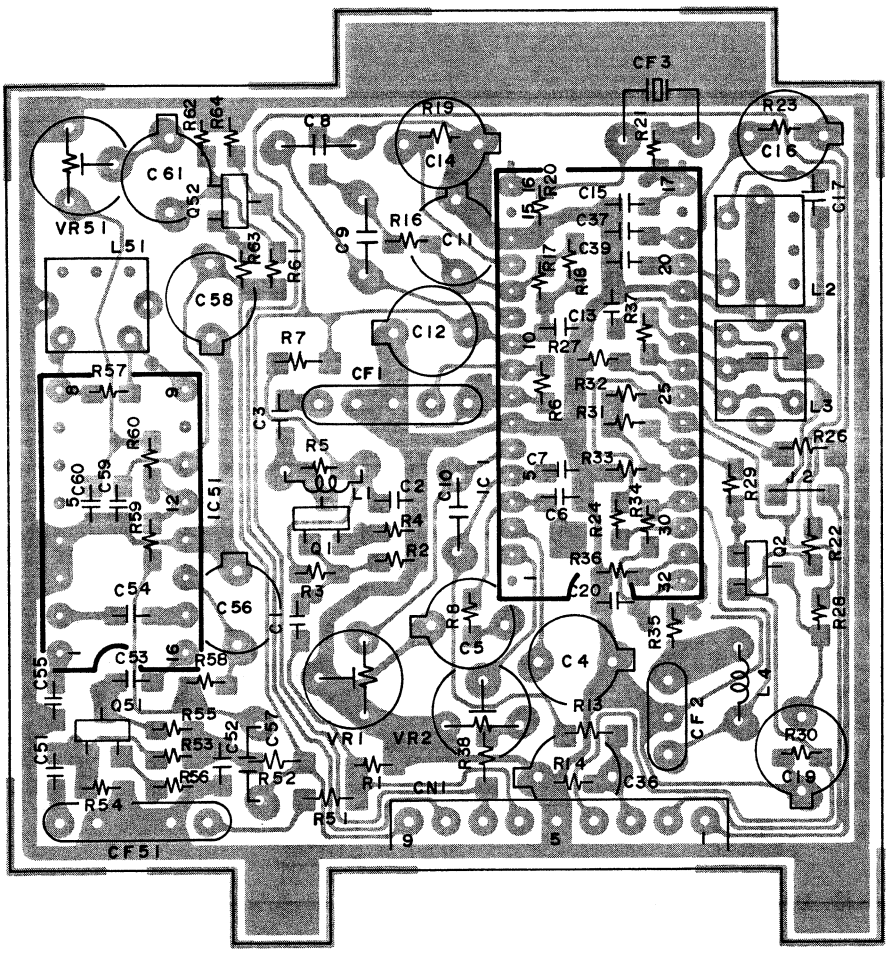
INDICATED VOLTAGES WERE MEASURED DURING E-E (STOP) MODE.

B (POWER SUPPLY) LINE

VS-F340S
VIF UNIT
SCHEMATIC DIAGRAM

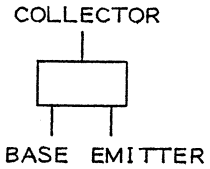
No.17-14 V114714M

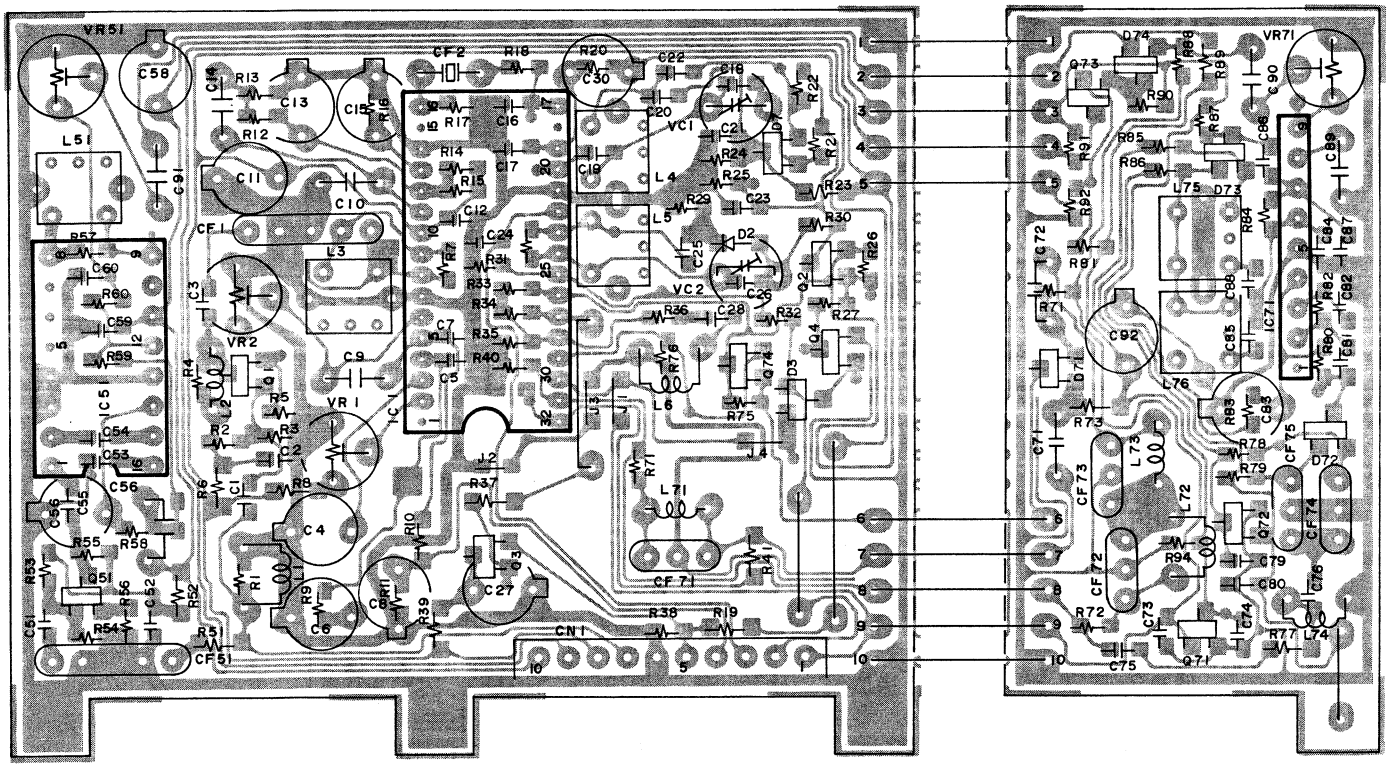
A2



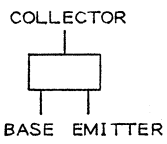
VIF UNIT 6B00776A1

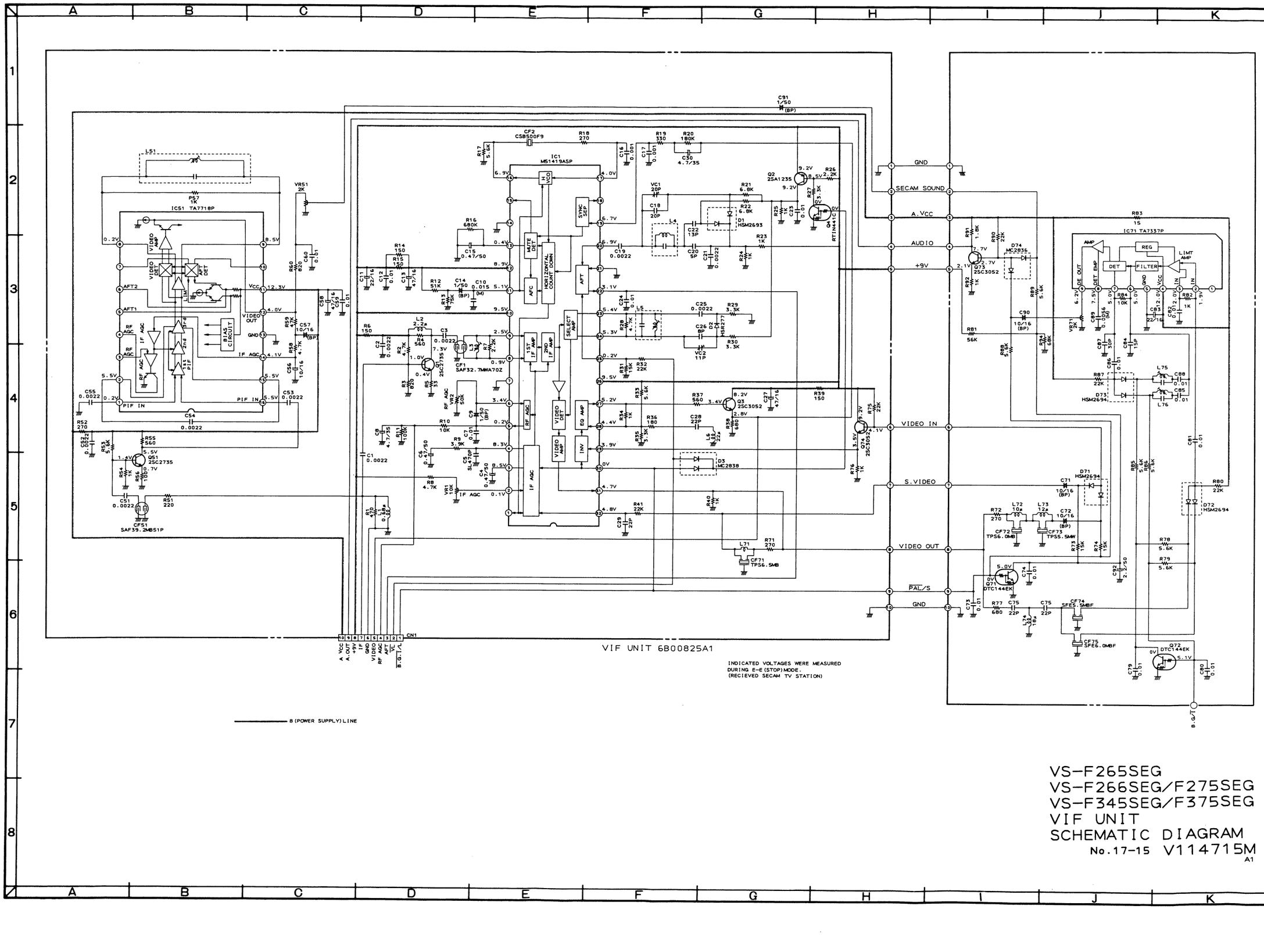
(S ONLY)



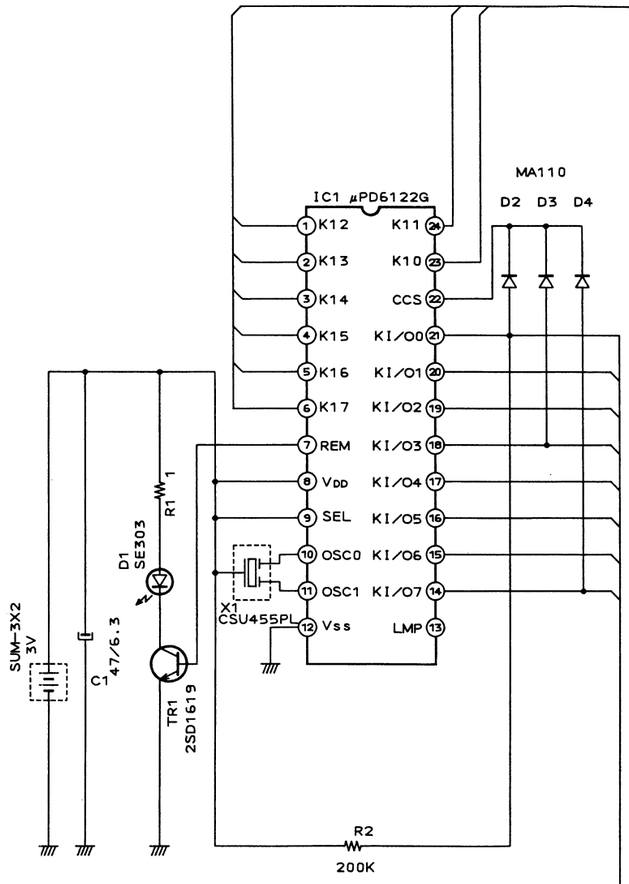


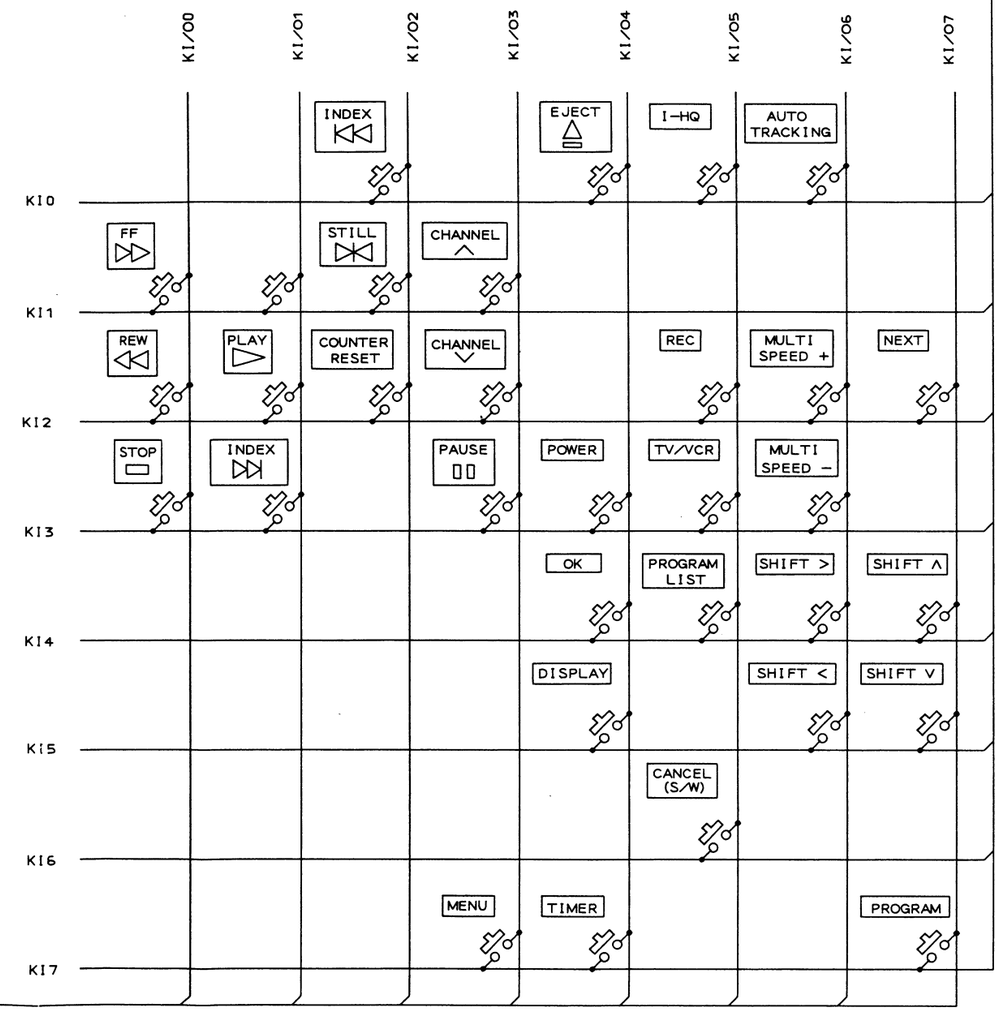
VIF UNIT (6B00825A1)
(SEG ONLY)





VS-F265SEG
VS-F266SEG/F275SEG
VS-F345SEG/F375SEG
VIF UNIT
SCHEMATIC DIAGRAM
No.17-15 V114715M
A1





REMO-CON PCB B1038A5010

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/8W(J)
ALL CAPACITORS IN μF

RC-V250F
REMOTE CONTROL UNIT
SCHEMATIC DIAGRAM
No.17-16 B103801M
A2

Precautionary items prior to adjustments
1. The color bar generator output should be 1.0 Vp-p.
2. The video output terminal should be terminated with 75 ohms (connect dummy load or 75 ohms input TV.)

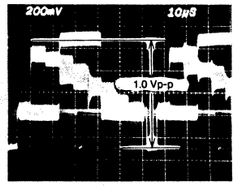
Required following test tapes.

Test tape	Parts No.
TF-527BL	AT-711880
TF-512CB	AT-750799
TF-530RFS	AT-751775
TF-553AT	AT-751785

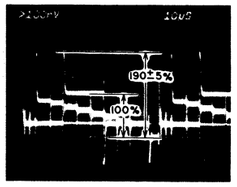
STEP	ADJUSTMENT ITEM
1.	MODE and INPUT SIGNAL/TEST TAPE
2.	TEST POINT and ADJ part
3.	REMARKS (•) & RESULT (*)

Test point — ADJ. part

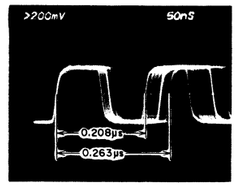
5 VIDEO E-E LEVEL
1. "E-E" (stop mode), SECAM color bar signal
2. VIDEO OUT & VR401(E-E LEVEL)
3. • Connect an oscilloscope to VIDEO OUT.
   *1.0 Vp-p



6 WHITE CLIP
1. "E-E" (stop mode), SECAM color bar signal
2. IC401 ㉘ (W.CLIP) & VR405(W.CLIP)
3. • Connect an oscilloscope to IC401 ㉘
   *Adjust VR405 so that white clip level becomes 190 ± 5 % as shown.



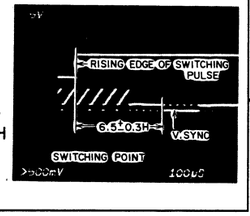
7 FREQUENCY & DEVIATION
1. "REC", SECAM color bar signal
2. P402 ⑤ REC Y & VR404(FREQ), VR403(DEV)
3. • Connect an oscilloscope to P402 ⑤ (REC. Y)
   *VR404(FREQ): 0.263 μs (3.8 MHz)
   *VR403(DEV): 0.208 μs (4.8 MHz)



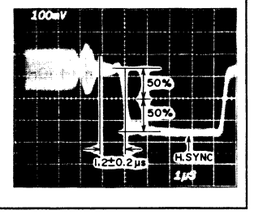
3 AUDIO PB LEVEL
1. "PB", TEST TAPE TF-527BL
2. AUDIO OUT & VR801
3. • Connect AC voltmeter to AUDIO OUT
   *−5 dBs

4 AUDIO REC BIAS
1. "REC", No signal input
2. P801 ① pin, ② pin & VR802
3. • Connect an AC voltmeter between pin ① and ② of P801
   *Adjust VR802 so that the reading on the AC voltmeter becomes 2.5mV.

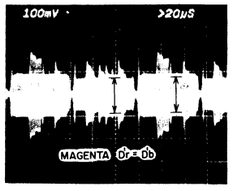
1 PB SWITCHING POINT
1. "PB", test tape TF-530RFS
2. JW233(V.SWP), VIDEO OUT & VR301(SW.POINT)
3. • Connect an oscilloscope's CH-1 to VIDEO OUT and CH-2 to the JW233 for triggering
   *Adjust VR301 so that the switching point is positioned 6.5 ± 0.3 H from the V-SYNC left edge as shown.



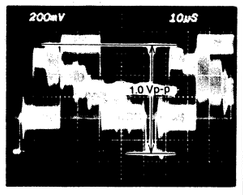
11 NOISE GATE
1. "PB", test tape TF-512CB
2. VIDEO OUT, VR501 (NOISE GATE)
3. • Connect an oscilloscope's CH-1 to VIDEO OUT and CH-2 to JW258 (C.SYNC) for triggering.
   *Adjust VR501 so that the noise gate pulse width is 1.2 μs from center of the leading edge of the H.SYNC as shown.



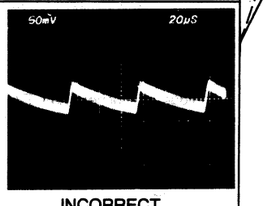
9 EQUALIZER LEVEL
1. "REC", SECAM color bar signal
2. IC501 ④ & VL501 (EQ LEVEL)
3. • Connect an oscilloscope to IC501 ④.
   *Adjust VL501 so that magenta part (Dr and Db) becomes the same level as shown.



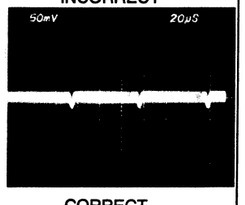
8 VIDEO PB LEVEL
1. "REC" → "PB", SECAM color bar signal
2. VIDEO OUT & VR402(PB LEVEL)
3. • Connect an oscilloscope to VIDEO OUT
   • Make some recording on the tape then play it back
   *Adjust VR402 so that PB level becomes 1.0 Vp-p



2 AFC ERROR
1. "E-E"(stop mode), SECAM colour bar signal
2. IC602 ③ (AFC ERROR) & VR650(AFC)
3. • Connect an oscilloscope to IC602 ③.
   *Adjust the VR650 so that the waveform becomes as flat as possible.

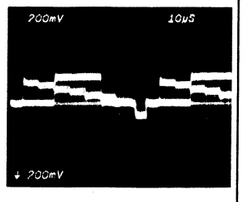


INCORRECT

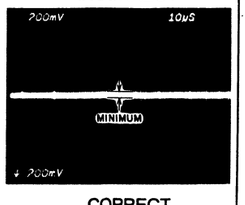


CORRECT

12 CCD
1. "PB", test tape TF-512CB
2. C422(CCD),C423(CCD) & VR406(CCD LEVEL)
3. • Connect an oscilloscope's CH-1 to C423 and CH-2 to C422. And set the oscilloscope's display mode to "ADD" mode and CH-2 polarity to "INVERTED".
   *Adjust VR406 so that waveform level on the oscilloscope becomes minimum.

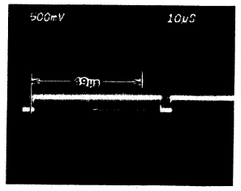


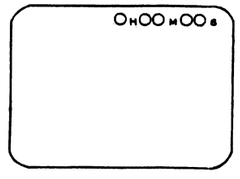
INCORRECT



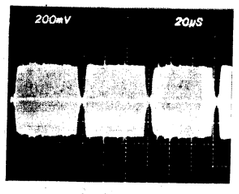
CORRECT

17 CHARACTER POSITION
1. "E-E"(STOP mode), No signal input
2. VIDEO OUT, TV SCREEN & VC614
3. • Press "DISPLAY" button on the remote control to display elapsed tape counter.
   • Connect an oscilloscope to the VIDEO OUT.
   *Adjust the VC614 so that right end of the IMS signal becomes 49μs from the H-sync as shown.

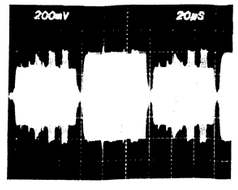




10 BELL FILTER
1. "REC", SECAM color bar signal
2. IC501 ㉗ & VL502 (BELL FILTER)
3. • Connect an oscilloscope to IC501 ㉗ (4.28M EQ)
   *Adjust VL502 so that waveform becomes flat as shown.



CORRECT



INCORRECT

V. REGLAGE ELECTRIQUE

Précautions à prendre avant d'effectuer les réglages
1. La sortie du générateur de barres couleur doit être de 1,0 Vc-c.
2. La borne de sortie vidéo doit être terminée avec une résistance de 75 ohms (connecter une charge fictive ou une entreàe TV de 75 ohms).

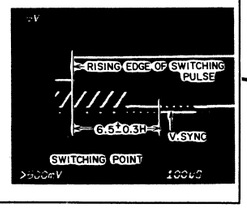
Bandes d'essai nécessaires

Bande d'essai	No de pièce
TF-527BL	AT-711880
TF-512CB	AT-750799
TF-530RFS	AT-751775
TF-553AT	AT-751785

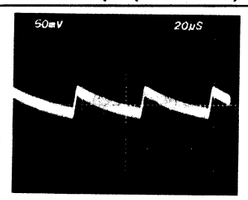
ETAPE DE REGLAGE
1. MODE et signal d'entrée/bande d'essai (MODE et INPUT SIGNAL/TEST TAPE)
2. Point d'essai et point de réglage (TEST POINT et ADJ)
3. Remarque (REMARKS) (•) et Résultat (RESULT) (*)

à point d'essai — à pieces de reglage

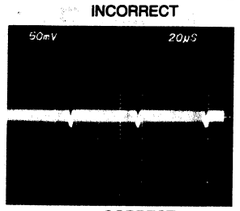
1 POINT DE COMMUTATTION DE LECTURE (PB SWITCHING POINT)
1. Lecture (PB), bande d'essai TF-530RFS
2. JW233 (V.SWP), sortie vidéo (VIDEO OUT) et VR-301 (pont de commutation) (SW. POINT)
3. • Connecter le canal-1 (CH-1) de l'oscilloscope à la sortie vidéo (VIDEO OUT) et le canal-2 (CH-2) au JW233 afin d'effectuer le déclenchement.
   *Régler VR301 de manière à ce que le point de commutation soit positionné à 6,5 ± 0,3 H de la bordure gauche de V-SYNC comme il est indiqué.



2 Erreur de commande de fréquence automatique (AFC ERROR)
1. E-E (mode d'arrêt), signal de barres de couleur SECAM
2. IC602 ③ (AFC ERROR) et VR650 (AFC)
3. • Connecter un oscilloscope à IC602 ③.
   *Régler VR650 de manière à ce que la forme d'onde devienne la plus plate possible.



INCORRECT

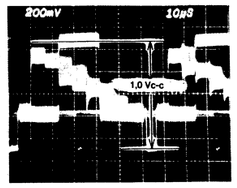


CORRECT

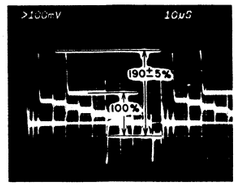
3 NIVEAU DE LECTURE AUDIO
1. "PB" (lecture) Bande test TF-572BL
2. Sortie audio (AUDIO OUT) & VR801
3. • Connecter un volt-mètre CA à la sortie audio (AUDIO OUT)
   *-5 dBs

4 POLARISATION D'ENREGISTREMENT AUDIO
1. "REC" (enregistrement), Pas d'entree de signal
2. P801 broche ①, broche ② & VR802
3. • Connecter un volt-mètre CA entre la broche ① et la broche ② du P801
   *Ajuster VR802 de sorte que le volt-mètre CA indique 2,4 mV.

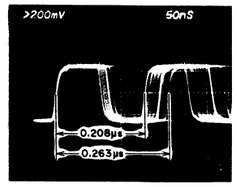
5 NIVEAU VIDEO E-E (VIDEO E-E LEVEL)
1. E-E (mode d'arrêt), signal de barres couleur SECAM
2. Sortie vidéo (VIDEO OUT) et VR401 (E-E LEVEL)
3. • Connecter un oscilloscope à la sortie vidéo (VIDEO OUT)
   *1,0 Vc-c



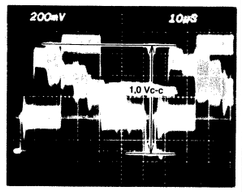
6 DECOUPAGE DE BLANC (WHITE CLIP)
1. E-E (mode d'arrêt), signal de barres couleur SECAM
2. IC401 ⑱ (W.CLIP) et VR405 (W.CLIP)
3. • Connecter un oscilloscope à IC401 ⑱
   *Régler VR405 de façon à ce que le niveau de découpage de blanc devienne 190 ± 5% comme indiqué.



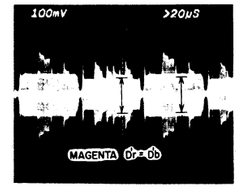
7 FREQUENCE ET DEVIATION
1. Enregistrement (REC), signal de barres couleur SECAM
2. P402 ⑤ (REC Y) et VR404 (FREQ), VR403 (DEV)
3. • Connecter un oscilloscope à P402 ⑤ (REC.Y)
   *VR404 (FREQ): 0,263 µs (3,8 MHz)
   *VR403 (DEV): 0,208 µs (4,8 MHz)



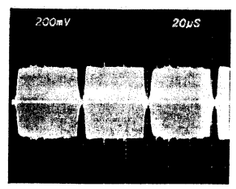
8 NIVEAU DE LECTURE VIDEO (VIDEO PB LEVEL)
1. Enregistrement-Lecture (REC-PB), signal de barres couleur SECAM
2. Sortie vidéo (VIDEO OUT) et VR402 (Niveau de lecture)
3. • Connecter un oscilloscope à la sortie vidéo (VIDEO OUT)
   • Effectuer quelques enregistrements sur la bande puis la reproduire
   *Régler VR402 de façon à ce que le niveau de lecture devienne 1,0 Vc-c



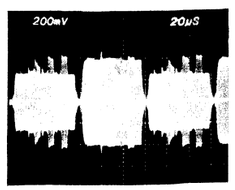
9 NIVEAU D'EGALISATION (EQUALIZER LEVEL)
1. Enregistrement (REC), signal de barres couleur SECAM
2. IC501 ④ et VL501 (Niveau d'égalisation) (EQ LEVEL)
3. • Connecter un oscilloscope à IC501 ④
   *Régler VL501 de façon à ce que la partie violette (Dr et Db) soit au niveau indiqué.



10 FILTRE A CARACTERISTIQUE EN CLOCHE (BELL FILTER)
1. Enregistrement (REC), signal de barres couleur SECAM
2. IC501 ⑰ et VL502 (Filtre à caractéristique en cloche) (BELL FILTER)
3. • Connecter un oscilloscope à IC501 ⑰ (4,28M EQ).
   *Régler VL502 de façon à ce que la forme d'onde devienne plate comme indiqué.

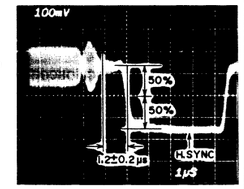


CORRECT

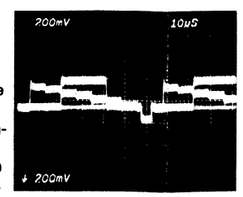


INCORRECT

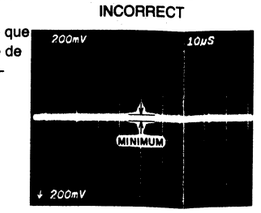
11 PORTE DE BRUIT
1. Lecture (PB), bande d'essai TF-512CB
2. Sortie video et VR501 (Porte de bruit)
3. • Connecter CH-1 d'un oscilloscope à sortie vidéo (VIDEO OUT) et CH-2 à JW258 (C.SYNC) pour le déclenchement.
   *Régler VR501 de manière que la largeur d'impulsion de porte de bruit soit 1,2 µs à partir du centre du bord d'attque de H.SYNC comme illustré.



12 CCD
1. Lecture (PB), bande d'essai TF-512CB
2. C422 (CCD), C423 (CCD) et VR406 (CCD LEVEL)
3. • Connecter le canal-1 (CH-1) de l'oscilloscope à C423 et le canal-2 (CH-2) à C422. Régler ensuite le mode d'affichage de l'oscilloscope sur le mode ADD et la polarité du canal-2 sur INVERTED.
   *Régler VR406 de façon à ce que le niveau de la forme d'onde de l'oscilloscope devienne minimum.

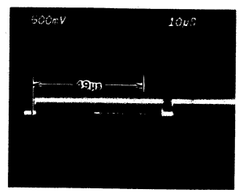


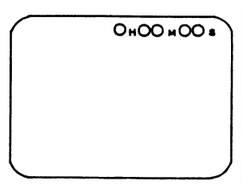
INCORRECT

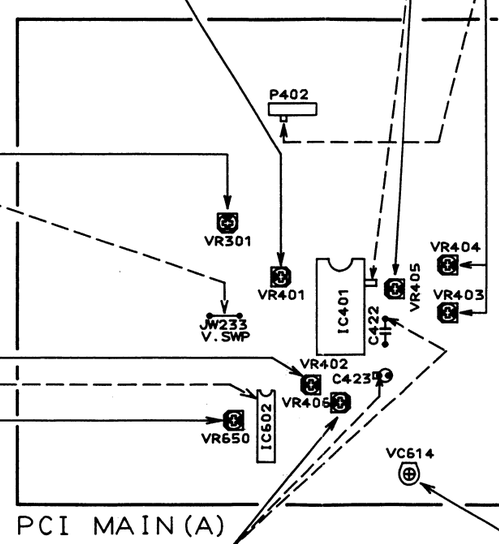


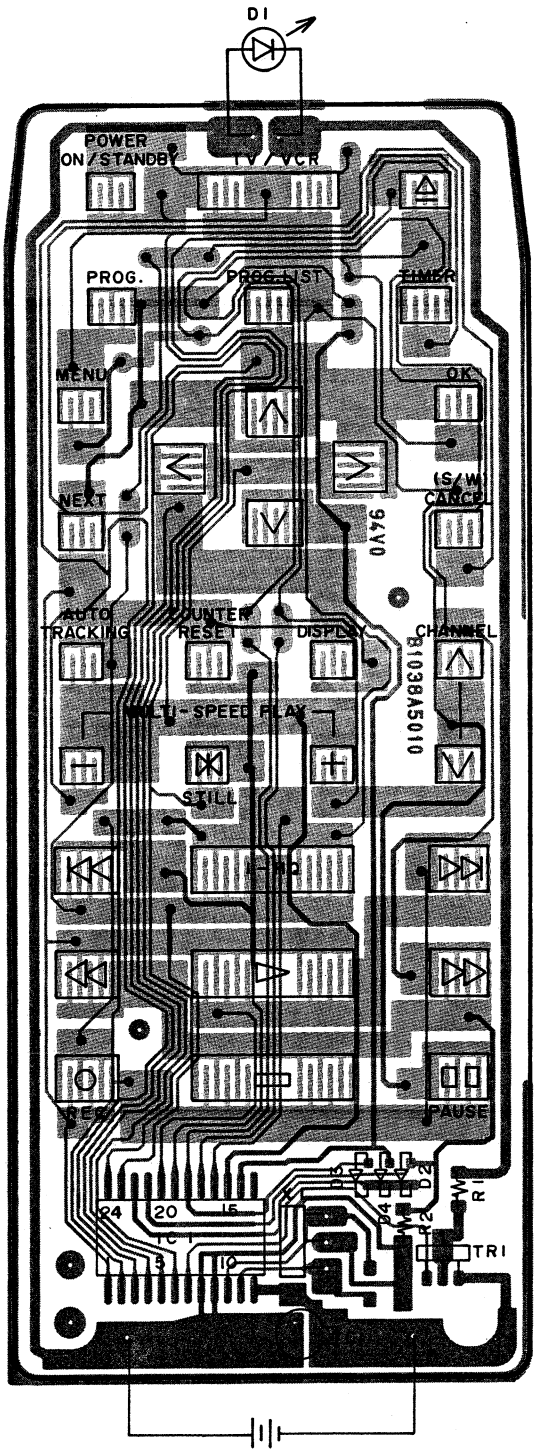
CORRECT

17 POSITIONNEMENT DE CARACTERE
1. E-E (mode d'arrêt), pas de signal d'entrée
2. Sortie vidéo (VIDEO OUT), écran de télévision (TV SCREEN) et VC614
3. • Appuyer sur la touche DISPLAY de l'unité de télécommande afin d'afficher le compteur de temps écoulé.
   • Connecter un oscilloscope à la sortie vidéo (VIDEO OUT)
   *Régler VC614 de façon à ce que la droite du signal IMS soit de 49 µs à partir de la synchronisation-H comme indiqué.

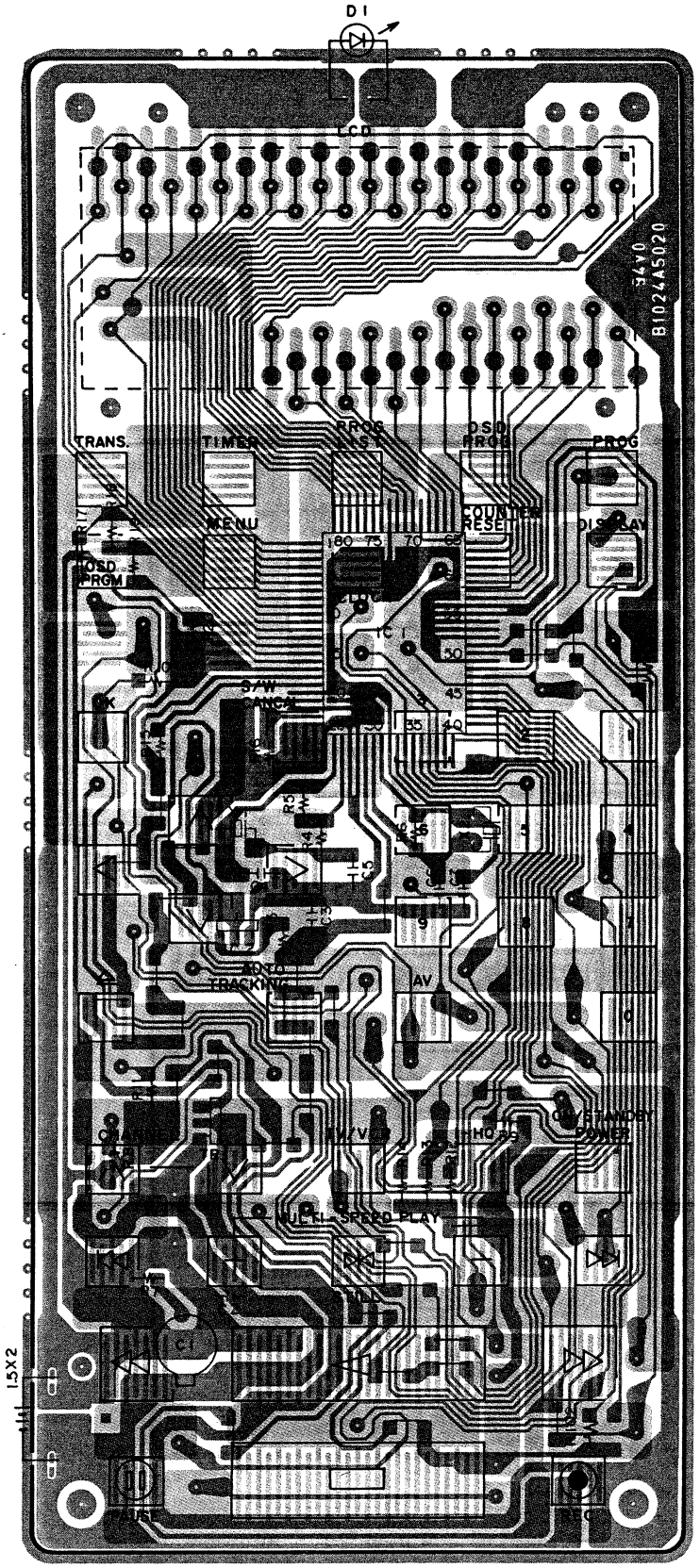




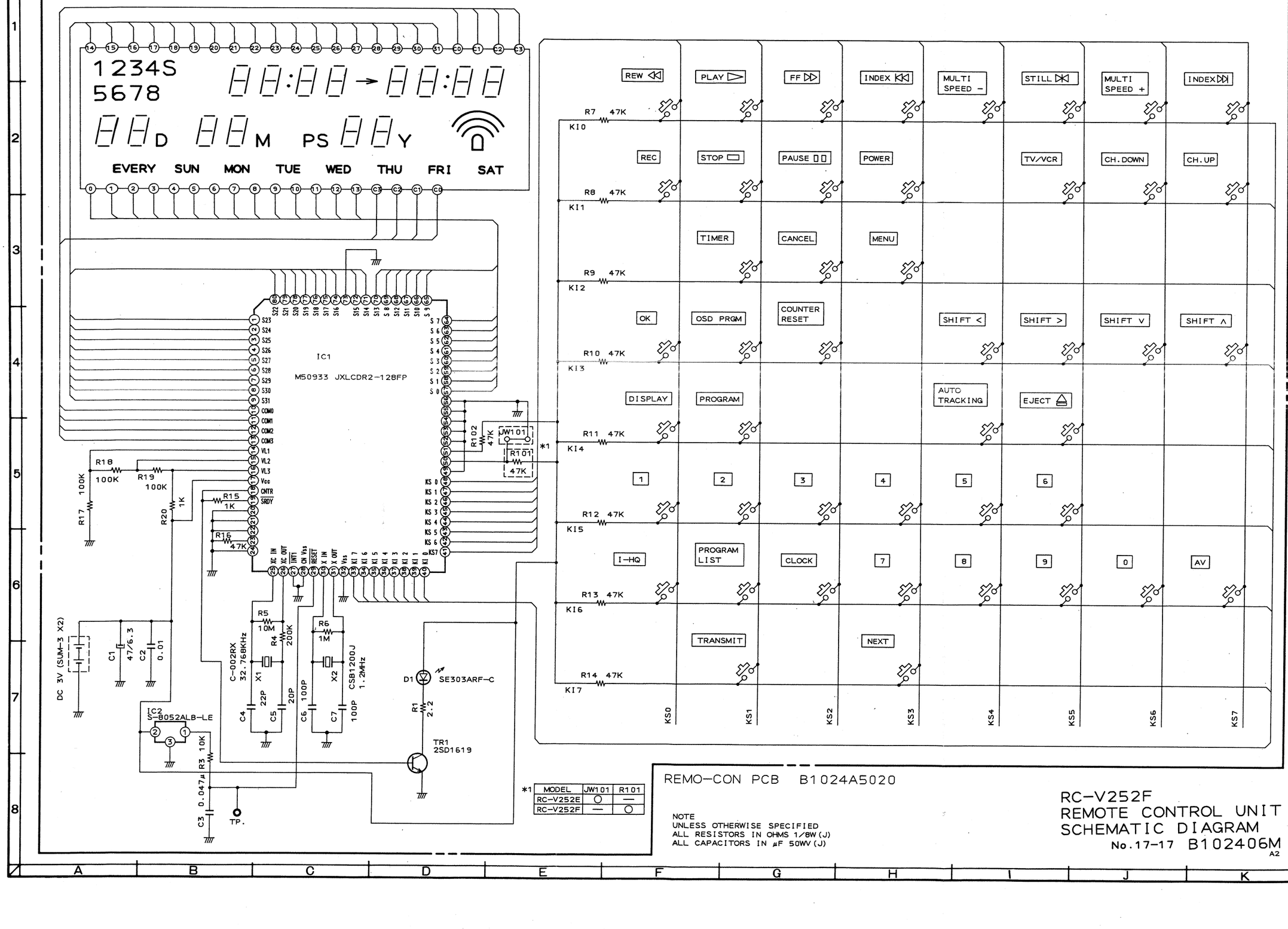




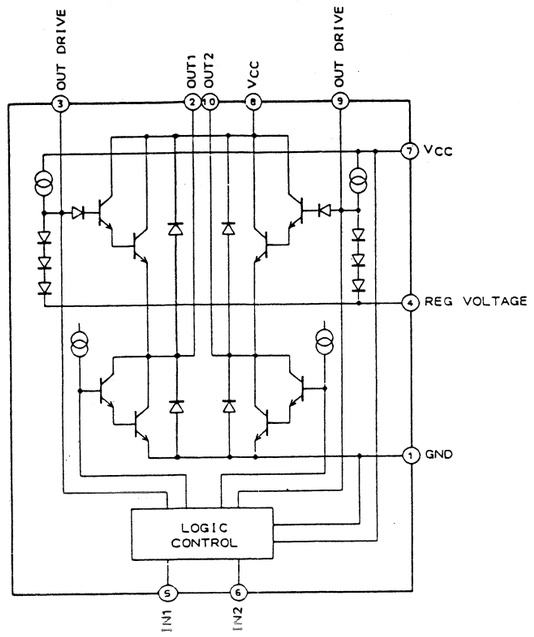
REMO-CON PCB B1038A5010



REMO-CON PCB B1024A5020J2

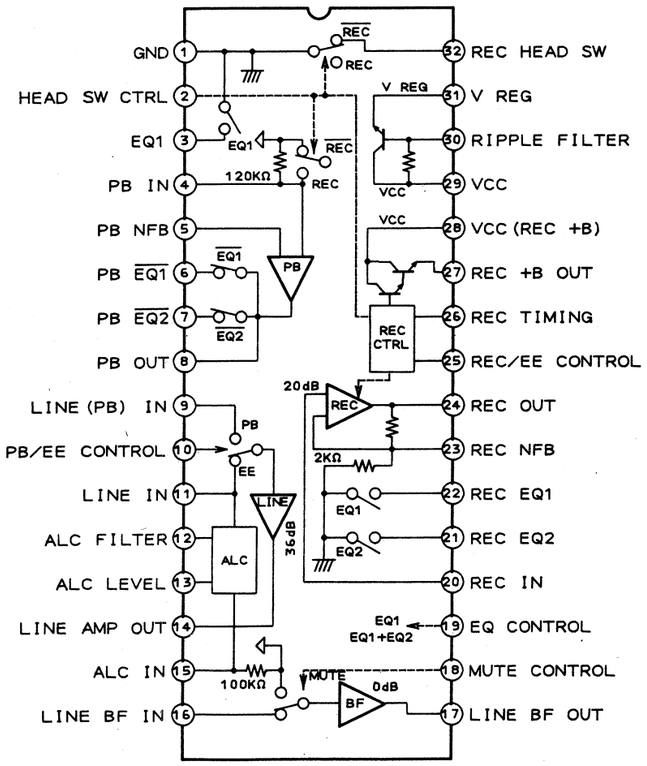

1234S
5678
EVERY SUN MON TUE WED THU FRI SAT
IC1
M50933 JXLCDR2-128FP
IC2
S-8052ALB-LE
TP.
DC 3V (SUM-3 X2)
C-002RX
32.768KHz
CSB1200J
1.2MHz
SE303ARF-C
TR1
2SD1619
REW
PLAY
FF
INDEX
MULTI SPEED –
STILL
MULTI SPEED +
INDEX
REC
STOP
PAUSE
POWER
TV/VCR
CH.DOWN
CH.UP
TIMER
CANCEL
MENU
OK
OSD PRGM
COUNTER RESET
SHIFT <
SHIFT >
SHIFT V
SHIFT ^
DISPLAY
PROGRAM
AUTO TRACKING
EJECT
PROGRAM LIST
CLOCK
TRANSMIT
NEXT
AV
KI0
KI1
KI2
KI3
KI4
KI5
KI6
KI7
KS0
KS1
KS2
KS3
KS4
KS5
KS6
KS7
*1
MODEL | JW101 | R101
RC-V252E | ○ | —
RC-V252F | — | ○
REMO-CON PCB B1024A5020
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/8W (J)
ALL CAPACITORS IN μF 50WV (J)
RC-V252F
REMOTE CONTROL UNIT
SCHEMATIC DIAGRAM
No.17-17 B102406M
A2

BA6229 (BI-DIRECTIONAL MOTOR DRIVE)

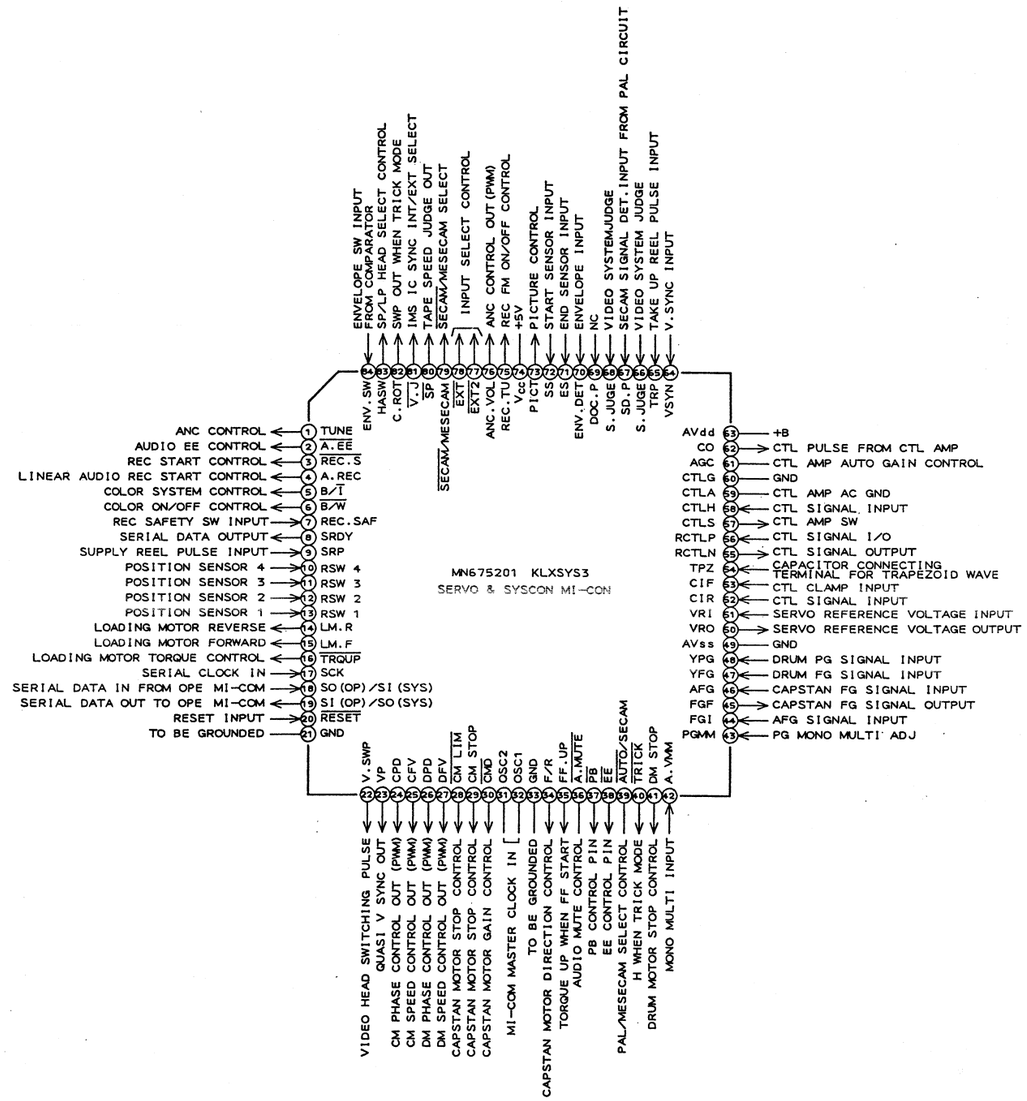


INPUT		OUTPUT		MODE
⑤	⑥	②	⑩	
H	H	L	L	BRAKE
L	H	L	H	CASSETTE & TAPE LOADING
H	L	H	L	CASSETTE & TAPE UNLOADING
L	L	OPEN	OPEN	STOP

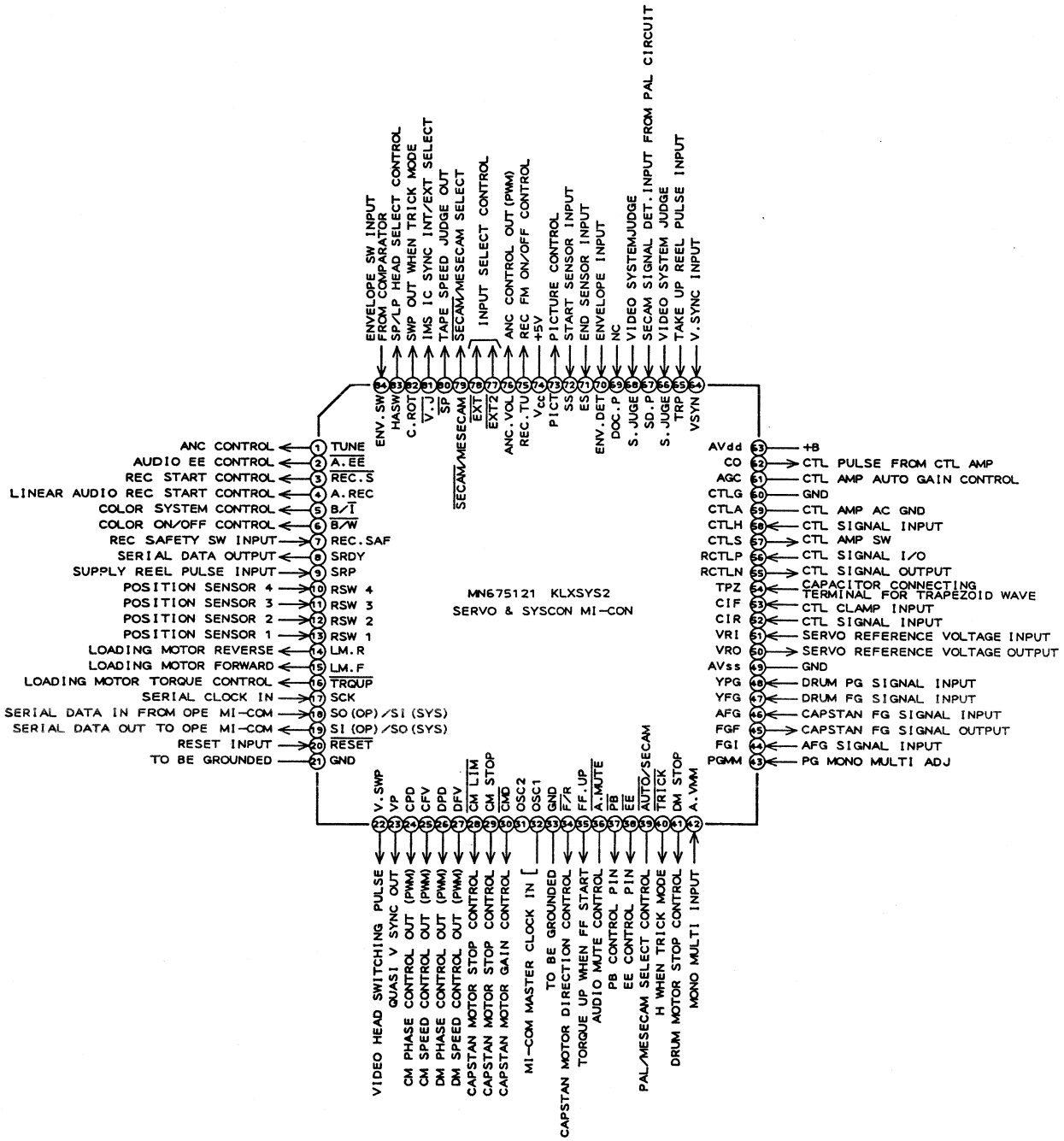
BA7765AS (AUDIO SIGNAL REC/PB AMPLIFIER)



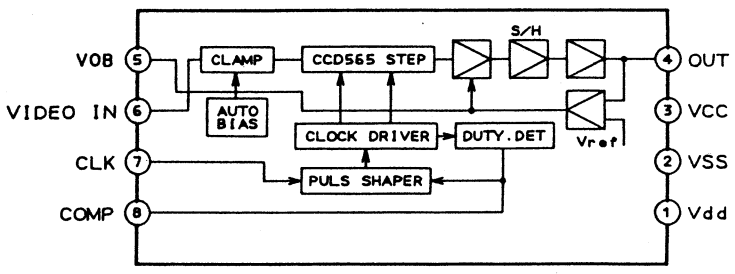
MN675201 (SERVO/SYSCON MI-COM)



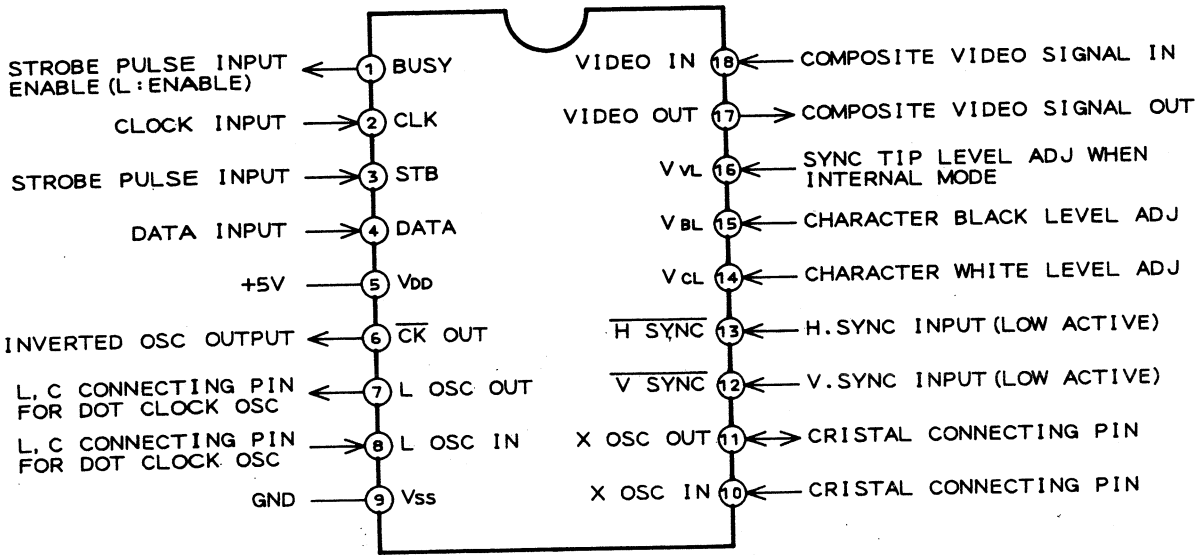
MN675121 (SERVO/SYSCON MI-COM)



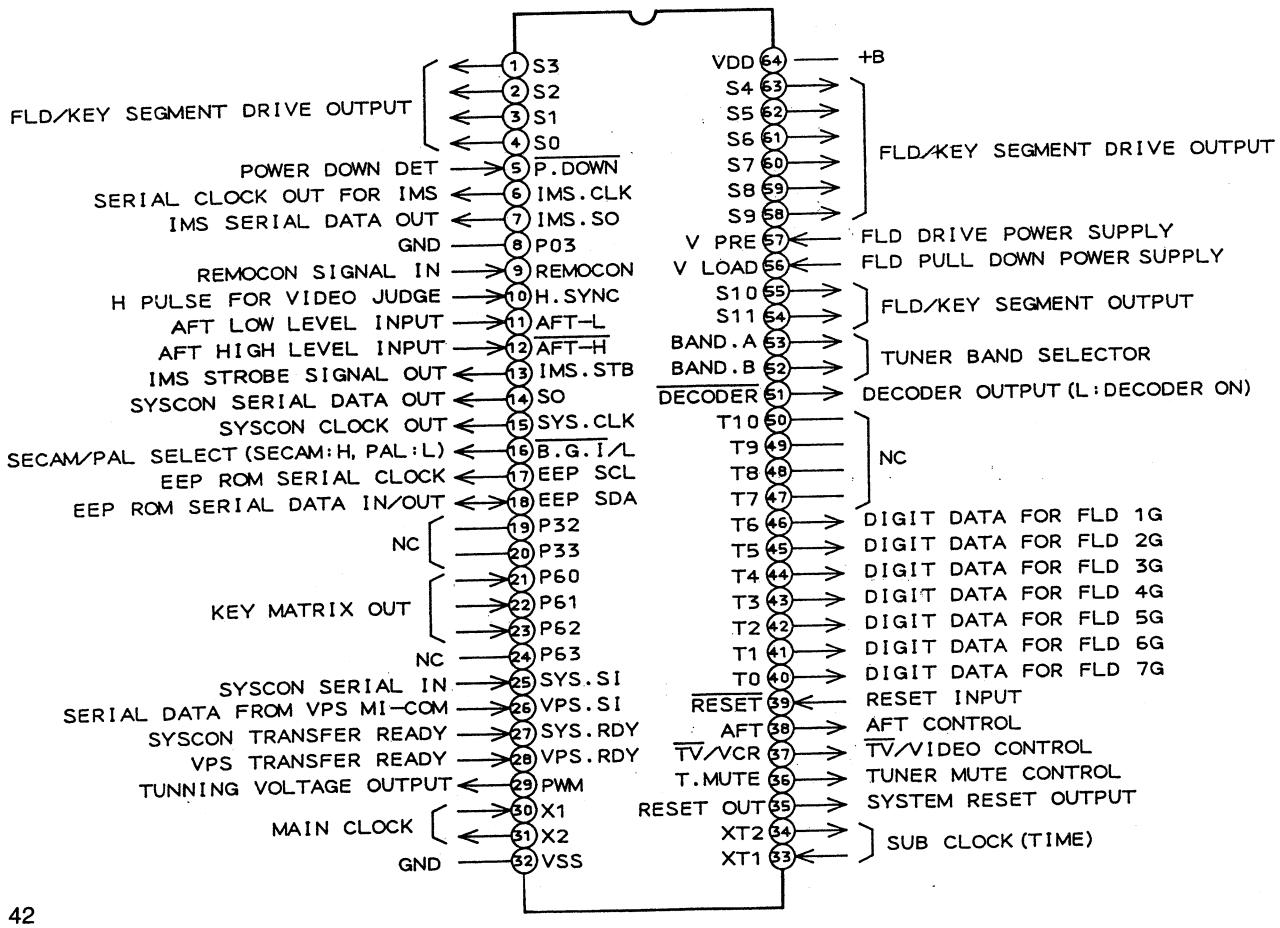
MSM6965-3RS (CCD 1H DELAY LINE)



μPD6450 (CHARACTER GENERATOR)



μPD75217CW (OPERATION MI-COM)



ABBREVIATIONS (VIDEO)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
A	Audio or Analogue	MOD	MODulator
AC	Alternating Current	MRS	Motor ReverSe
ACC	Automatic Color Control	NG	Noise Gate
A/C	Audio and Control	NICAM	Near Instanteneous Compand Audio Multiplex
ADJ	ADJust (ment)		
AFC	Automatic Frequency Control	NON-LIN	NON-LINear
AFT	Automatic Fine Tuning	N.T.S.C.	National Television System Committee
AGC	Automatic Gain Control	OSC	OSCillator
AH	Audio Head	PAL	Phase Alternation by Line
AL	ALways (voltage)	PB	Play Back
ALC	Automatic Level Control	PCB (P.C.B)	Printed Circuit Board
A-SW.P	Audio SWitching Pulse	P-COM	Phase-COMparator
A-MUTE	Audio MUTE	P DOWN	Power DOWN
ANT	ANTenna	PG	Pulse Generator
APC	Automatic Phase Control	P.I.P	Picture In Picture
ASSY	ASSemblY	PL, PLG	PLunger (PLunGer)
BAL	BALance	PRG (PGM)	PRoGram (ProGraM)
B DOWN	Break DOWN	PU	Pick UP (head, pulse)
BGP	Burst Gate Pulse	PWR	PoWeR
BLK	BLocK or BLacK	Q	Quality factor
BPF	Band Pass Filter	R	Right
BU	Back Up (voltage)	RAM	Random Access Memory
B/W	Black and White	REC	RECord
C	Chroma or Color	REF	REFerence
CCD	Charge Coupled Device	REF-V	REFerence Vertical signal
CCIR	Comité Consultatif International des Radio communications	REG	REGulator
		REV (REVW)	REView (REVieW)
CH (ch)	CHannel (channel)	REW	REWind
CLK	CLocK	RF	Radio Frequency
CM	Capstan Motor	ROM	Read Only Memory
CN	CoNnector	R.S SW	Record-Safety SWitch
COMP	COMParator	RST (RES)	ReSet (RESet)
CSW	Cassette SWitch	RVS	ReVerSe
CSYNC	Composite SYNC	S	Sensor, Shield
CTL	ConTrol	SAW	Surface Acoustic Wave
CUE	CUE	SC	SimulCast
DAC	Digital to Analog Converter	S CLK	Serial CLocK
DC	Direct Current	SECAM	SÉquentiel Couleur À Mémoire
DEMOD	DEMODulator	S & H	Sample and Hold
DET	DETetct (DETector)	SLP	Super Long Play
DL	Delay Line	SP	Standard Play
DM	Drum Motor	SPD	SPeeD
DOC	Drop Out Compensator	SRP	Supply Reel Pulse
D.P.E	Drum Phase Error	SRV	SeRVo
D.PG	Drum Pulse Generator	SOW	Sync On Word
EE	Electronic to Electronic	STBY	STandBY
EF	Emitter Follower	S.VHS	Super VHS
EMPHA	EMPHAsis	SW	SWitch
ENV	ENVelope	SW'NG	SWitchiNG
EP	Extended Play	SWP	SWitching Pulse
EP ROM	Erasable Programmable ROM	SYNC	SYNChronize
EQ	EQualizer	T-AUDIO	Tuner AUDIO
FE	Full track Erase	TPZ (TRAPE)	TraPeZoid (TRAPEzoid)
FF	Flip-Flop or Fast Foward	TRK	TRacKing
FG	Frequency Generator	TRP	Take up Reel Pulse
Fig	Figure	T/U	Take Up
FLD	FLuorescent Display	TV	TeleVision
FM	Frequency Modulation	UHF	Ultra High Frequency
Fo	resonance Frequency	UNR	UNRegulated (voltage)
FREQ	FREQuency	V	Vertical or Video
GND	GrouND	VASS	Video Address Search System
H	Horizontal	VCO	Voltage Controlled Oscillator
HP	Horizontal (sync) pulse	VH	Video Head
HPF	High Pass Filter	VHF	Very High Frequency
HQ	High Quality System	VHS	Video Home System
IC	Integrated Circuit	VIF	Video Intermediate Frequency
ID	IDentification	VISS	Video Index Search System
IDL	IDLe (Voltage)	VJ	Video Judge
IMS	Interactive Monitor System	VM	Voltage for Memory
INS	INSert	VOB	Video On Blank
INV	INVerter	VOW	Video On Word
L	Left	VP	Vertical (sync) Pulse
LED	Light Emitting Diode	VPS	Video Program System
LIM	LIMitter	VPT	Video Programming by video Text
LM	Loading Motor	VT	Voltage for Tuning
LM STP	Loading Motor STop	WHT	WHiTe
LP	Long Play	Y	Luminance
LPF	Low Pass Filter	2H	2 Hour (SP)
ME-SECAM	Middle East SECAM	4H	4 Hour (LP)
MI-COM	MIcro COMputer	6H	6 Hour (SLP/EP)
MM	Mono-stayble Multi		